

**ELECTROMAGNETIC EMISSIONS
COMPLIANCE REPORT**

EUT Description: Wireless Home Phone
Applicant: WNC Corporation
20 Park Avenue II Hsinchu Science Park, Hsinchu 300,
Taiwan
Manufacturer: WNC Corporation
20 Park Avenue II Hsinchu Science Park, Hsinchu 300,
Taiwan
Brand Name: Verizon
Model No. VG10A
Family Model No.: VG11A
Model Difference: For marketing purposes only
Report Number: TERF2511003793ER
FCC ID NKRGENESIS
Date of EUT Received: November 12, 2025
Date of Test: November 18, 2025 ~ March 30, 2026
Issue Date: April 15, 2026

Approved By**Jazz Huang****We hereby certify that:**

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, And equipment configurations shown In this report were made In accordance With the procedures given In ANSI C63.26:2015 And the energy emitted by the sample EUT comply With FCC Part2, 22H, 24E, 27C.
The results of this report relate only to the sample identified in this report.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2511003793ER	00	Original	April 8, 2026	Candice Li	
TERF2511003793ER	01	Modify Antenna Designation, Type of Emission, ERP/EIRP	April 15, 2026	Candice Li	*

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.
- 2、During the testing period, the EUT underwent component changes; therefore, additional measurements of Field Strength Of Spurious Radiation were performed.

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Contents

1	GENERAL PRODUCT INFORMATION	4
1.1	Product Description	4
1.2	Antenna Designation	4
1.3	Operating Frequencies	5
1.4	Type of Emission & Max ERP/EIRP Power Measurement Result	6
1.5	Final Amplifier Voltage and Current Information	7
1.6	EUT Availability and The Worst Test Modes	8
2	SUMMARY OF TEST RESULTS.....	11
2.1	Test Methodology of Applied Standards	12
2.2	Measurement Uncertainty	13
2.3	Test Facility	14
3	CONTROL UNIT(S) AND PERIPHERAL(S)	15
3.1	EUT Exercise	15
3.2	Diagrams.....	15
3.3	List	15
4	MEASUREMENT EQUIPMENT USED.....	16
4.1	Conducted Measurement.....	16
4.2	Radiated Measurement.....	17
5	REGULATORY REQUIREMENTS	19
5.1	Maximum Output Power.....	19
5.2	Occupied Bandwidth	20
5.3	Out Of Band Emission At Antenna Terminals	20
5.4	Field Strength Of Spurious Radiation.....	22
5.5	Frequency Stability.....	24
5.6	Peak to Average Ratio	24
6	TEST CONFIGURATION	25
6.1	Maximum Output Power.....	25
6.2	Occupied Bandwidth	25
6.3	Out Of Band Emission At Antenna Terminals	26
6.4	Field Strength Of Spurious Radiation.....	27
6.5	Frequency Stability.....	29
6.6	Peak To Average Ratio.....	30
7	TEST RESULTS	31
7.1	Maximum Output Power.....	31
7.2	Occupied Bandwidth	41
7.3	Out Of Band Emission At Antenna Terminals	50
7.4	SPURIOUS EMISSION AT ANTENNA TERMINALS	86
7.5	Field Strength Of Spurious Radiation.....	100
7.6	Frequency Stability.....	140
7.7	Peak To Average Ratio.....	144

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1 GENERAL PRODUCT INFORMATION

1.1 Product Description

EUT Description	Wireless Home Phone
Brand Name	Verizon
Model No.	VG10A
Family Model No.:	VG11A
Model Difference:	For marketing purposes only
EUT Series No.	ADE54300052
Power Supply	6 Vdc from 4*AA Battery 5 Vdc from AC/DC Adapter with 110~240V AC input.
Test Software (Name/Version)	Connected with callbox

1.2 Antenna Designation

Antenna Type	Model No.	Antenna No.
PIFA	3S.008K0.111	Cellular_Main
Note: Transmission frequencies in this test report are only available by the above antenna(s).		

5G NR Band	Frequency Range (MHz)	Cellular_Main Antenna Gain (dBi)
n2	1850 ~ 1910	2.29
n5	824 ~ 849	3.88
n66	1710 ~ 1780	2.29
n77	3450 ~ 3550	-0.3
n77	3700 ~ 3980	-0.3

Note: The antenna information is provided by the applicant, and the laboratory shall not be held liable for the accuracy, completeness, or reliability of any applicant-supplied data.

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1.3 Operating Frequencies

Part22

Band	Bandwidth(MHz)	Low Frequency (MHz)	Upper Frequency (MHz)
5G NR n5	5.0	826.50	846.50
	10.0	829.00	844.00
	15.0	831.50	841.50
	20.0	834.00	839.00

Part24

Band	Bandwidth(MHz)	Low Frequency (MHz)	Upper Frequency (MHz)
5G NR n2	5.0	1852.50	1907.50
	10.0	1855.00	1905.00
	15.0	1857.50	1902.50
	20.0	1860.00	1900.00

Part27

Band	Bandwidth(MHz)	Low Frequency (MHz)	Upper Frequency (MHz)
5G NR n66	5.0	1712.50	1777.50
	10.0	1715.00	1775.00
	15.0	1717.50	1772.50
	20.0	1720.00	1770.00
Band	Bandwidth(MHz)	Low Frequency (MHz)	Upper Frequency (MHz)
5G NR n77	10.0	3455.01	3544.98
	15.0	3457.50	3542.49
	20.0	3460.02	3540.00
Band	Bandwidth(MHz)	Low Frequency (MHz)	Upper Frequency (MHz)
5G NR n77	10.0	3705.00	3975.00
	15.0	3707.52	3972.48
	20.0	3710.01	3969.99

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1.4 Type of Emission & Max ERP/EIRP Power Measurement Result

Part22

Band	Technology (GSM, CDMA, etc...)	Frequency		Conducted Power (dBm)	Conducted Power (W)	ERP/EIRP (dBm)	ERP/EIRP (W)	Frequency Tolerance		Emission Designator (See 47 CFR 2.201 and 2.202)	BW(kHz)	Optional
		Min (MHz)	Max (MHz)					Value	%, Hz, ppm			
n5	DFT-s PI/2 BPSK	834.0	839.0	24.81	0.303	26.54	0.451	0.0143	ppm	17M9G7D	17896	Part22
n5	DFT-s PI/2 BPSK	829.0	844.0	25.10	0.324	26.83	0.482	0.0143	ppm	8M96G7D	8962.0	Part22
n5	DFT-s 16QAM	834.0	839.0	23.91	0.246	25.64	0.366	0.0143	ppm	18M0D7W	17950	Part22
n5	DFT-s 16QAM	829.0	844.0	23.96	0.249	25.69	0.371	0.0143	ppm	8M99D7W	8988.6	Part22

Part24

Band	Technology (GSM, CDMA, etc...)	Frequency		Conducted Power (dBm)	Conducted Power (W)	ERP/EIRP (dBm)	ERP/EIRP (W)	Frequency Tolerance		Emission Designator (See 47 CFR 2.201 and 2.202)	BW(kHz)	Optional
		Min (MHz)	Max (MHz)					Value	%, Hz, ppm			
n2	DFT-s PI/2 BPSK	1860.0	1900.0	24.70	0.295	26.99	0.500	0.0064	ppm	18M0G7D	17956	Part24
n2	DFT-s PI/2 BPSK	1857.5	1902.5	24.80	0.302	27.09	0.512	0.0064	ppm	13M5G7D	13466	Part24
n2	DFT-s 16QAM	1860.0	1900.0	23.98	0.25	26.27	0.424	0.0064	ppm	18M0D7W	17994	Part24

Part27

Band	Technology (GSM, CDMA, etc...)	Frequency		Conducted Power (dBm)	Conducted Power (W)	ERP/EIRP (dBm)	ERP/EIRP (W)	Frequency Tolerance		Emission Designator (See 47 CFR 2.201 and 2.202)	BW(kHz)	Optional
		Min (MHz)	Max (MHz)					Value	%, Hz, ppm			
n66	DFT-s PI/2 BPSK	1720.0	1770.0	24.86	0.306	27.15	0.519	0.0069	ppm	18M0G7D	17950	Part27
n66	DFT-s PI/2 BPSK	1715.0	1775.0	25.23	0.333	27.52	0.565	0.0069	ppm	8M98G7D	8975.0	Part27
n66	DFT-s 16QAM	1720.0	1770.0	24.28	0.268	26.57	0.454	0.0069	ppm	17M9D7W	17926	Part27
n77_1	DFT-s PI/2 BPSK	3460.0	3540.0	24.49	0.281	24.19	0.262	0.0030	ppm	17M9G7D	17942	Part27
n77_1	DFT-s PI/2 BPSK	3457.5	3542.5	24.59	0.288	24.29	0.269	0.0030	ppm	13M0G7D	12966	Part27
n77_1	DFT-s 16QAM	3460.0	3540.0	23.24	0.211	22.94	0.197	0.0030	ppm	18M0D7W	17962	Part27
n77_1	DFT-s 16QAM	3455.0	3545.0	23.43	0.22	23.13	0.206	0.0030	ppm	8M66D7W	8656.0	Part27
n77_3	DFT-s PI/2 BPSK	3710.0	3970.0	24.83	0.304	24.53	0.284	0.0030	ppm	17M9G7D	17931	Part27
n77_3	DFT-s PI/2 BPSK	3705.0	3975.0	24.97	0.314	24.67	0.293	0.0030	ppm	8M60G7D	8603.7	Part27
n77_3	DFT-s 16QAM	3710.0	3970.0	23.68	0.233	23.38	0.218	0.0030	ppm	17M9D7W	17928	Part27
n77_3	DFT-s 16QAM	3705.0	3975.0	23.76	0.238	23.46	0.222	0.0030	ppm	8M66D7W	8656.0	Part27

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1.5 Final Amplifier Voltage and Current Information

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5G NR BAND n5		
CP-OFDM_SCS 15 kHz		
Test mode	DC voltage (V)	DC current (mA)
Bandwidth:5MHz Mod:256QAM	120	79
Bandwidth:10MHz Mod:256QAM	120	81
Bandwidth:15MHz Mod:256QAM	120	80
Bandwidth:20MHz Mod:256QAM	120	84

Part24

5G NR BAND n2		
CP-OFDM_SCS 15 kHz		
Test mode	DC voltage (V)	DC current (mA)
Bandwidth:5MHz Mod:256QAM	120	82
Bandwidth:10MHz Mod:256QAM	120	81
Bandwidth:15MHz Mod:256QAM	120	85
Bandwidth:20MHz Mod:256QAM	120	85

Part27

5G NR BAND n66		
CP-OFDM_SCS 15 kHz		
Test mode	DC voltage (V)	DC current (mA)
Bandwidth:5MHz Mod:256QAM	120	77
Bandwidth:10MHz Mod:256QAM	120	81
Bandwidth:15MHz Mod:256QAM	120	82
Bandwidth:20MHz Mod:256QAM	120	79
5G NR BAND n77		
CP-OFDM_SCS 30 kHz		
Test mode	DC voltage (V)	DC current (mA)
Bandwidth:10MHz Mod:256QAM	120	87
Bandwidth:15MHz Mod:256QAM	120	88
Bandwidth:20MHz Mod:256QAM	120	87

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1.6 EUT Availability and The Worst Test Modes

1. Pre-Scan has been conducted to determine the worst-case scenario from all possible combinations among available modulations, data rates and antenna ports, the worst case configurations listed below for the final test.
2. The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.

Part22

5G NR Band n5	Test Channel			BW(MHz)	Modulation	RB allocation			
Test Item	Low	Mid	High			Edge 1RB	Inner 1RB	Inner Full RB	Outer Full RB
Max . OutPut Power	V	V	V	5, 10, 15, 20	BPSK,QPSK,16QAM, 64QAM,256QAM	-	V	V	V
Frequency Stability	-	V	-	20	QPSK	-	-	-	V
26dB and 99% Bandwidth	V	V	V	5, 10, 15, 20	BPSK,QPSK,16QAM, 64QAM,256QAM	-	-	-	V
Peak-to-Average Ratio	V	V	V	5, 10, 15, 20	256QAM	-	-	-	V
Out of Band Emissions at Antenna Terminals	V	-	V	10	BPSK	V	-	-	V
Conducted Spurious Emission	V	V	V	5, 10, 15, 20	BPSK	-	V	-	-
Radiated Spurious Emission	V	V	V	10	BPSK	-	V	-	-

Part24

5G NR Band n2	Test Channel			BW(MHz)	Modulation	RB allocation			
Test Item	Low	Mid	High			Edge 1RB	Inner 1RB	Inner Full RB	Outer Full RB
Max . OutPut Power	V	V	V	5, 10, 15, 20	BPSK,QPSK,16QAM, 64QAM,256QAM	-	V	V	V
Frequency Stability	-	V	-	20	QPSK	-	-	-	V
26dB and 99% Bandwidth	V	V	V	5, 10, 15, 20	BPSK,QPSK,16QAM, 64QAM,256QAM	-	-	-	V
Peak-to-Average Ratio	V	V	V	5, 10, 15, 20	256QAM	-	-	-	V
Out of Band Emissions at Antenna Terminals	V	-	V	15	BPSK	V	-	-	V
Conducted Spurious Emission	V	V	V	5, 10, 15, 20	BPSK	-	V	-	-
Radiated Spurious Emission	V	V	V	15	BPSK	-	V	-	-

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Part27

5G NR Band n66	Test Channel			BW(MHz)	Modulation	RB allocation			
Test Item	Low	Mid	High			Edge 1RB	Inner 1RB	Inner Full RB	Outer Full RB
Max . OutPut Power	V	V	V	5, 10, 15, 20	BPSK,QPSK,16QAM, 64QAM,256QAM	-	V	V	V
Frequency Stability	-	V	-	20	QPSK	-	-	-	V
26dB and 99% Bandwidth	V	V	V	5, 10, 15, 20	BPSK,QPSK,16QAM, 64QAM,256QAM	-	-	-	V
Peak-to-Average Ratio	V	V	V	5, 10, 15, 20	256QAM	-	-	-	V
Out of Band Emis-sions at Antenna Terminals	V	-	V	10	BPSK	V	-	-	V
Conducted Spurious Emission	V	V	V	5, 10, 15, 20	BPSK	-	V	-	-
Radiated Spurious Emission	V	V	V	10	BPSK	-	V	-	-
5G NR Band n77	Test Channel			BW(MHz)	Modulation	RB allocation			
Test Item	Low	Mid	High			Edge 1RB	Inner 1RB	Inner Full RB	Outer Full RB
Max . OutPut Power	V	V	V	10, 15, 20	BPSK,QPSK,16QAM, 64QAM,256QAM	-	V	V	V
Frequency Stability	-	V	-	20	QPSK	-	-	-	V
26dB and 99% Bandwidth	V	V	V	10, 15, 20	BPSK,QPSK,16QAM, 64QAM,256QAM	-	-	-	V
Peak-to-Average Ratio	V	V	V	10, 15, 20	256QAM	-	-	-	V
Out of Band Emis-sions at Antenna Terminals	V	V	V	15	BPSK	V	-	-	V
Conducted Spurious Emission	V	V	V	10, 15, 20	BPSK	-	V	-	-
Radiated Spurious Emission	V	V	V	15	BPSK	-	V	-	-
5G NR Band n77	Test Channel			BW(MHz)	Modulation	RB allocation			
Test Item	Low	Mid	High			Edge 1RB	Inner 1RB	Inner Full RB	Outer Full RB
Max . OutPut Power	V	V	V	10, 15, 20	BPSK,QPSK,16QAM, 64QAM,256QAM	-	V	V	V
Frequency Stability	-	V	-	20	QPSK	-	-	-	V
26dB and 99% Bandwidth	V	V	V	10, 15, 20	BPSK,QPSK,16QAM, 64QAM,256QAM	-	-	-	V
Peak-to-Average Ratio	V	V	V	10, 15, 20	256QAM	-	-	-	V
Out of Band Emis-sions at Antenna Terminals	V	-	V	10	BPSK	V	-	-	V
Conducted Spurious Emission	V	V	V	10, 15, 20	BPSK	-	V	-	-
Radiated Spurious Emission	V	V	V	10	BPSK	-	V	-	-

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Additional measurement

5G NR Band	SCS	Test Channel	Channel Bandwidth (MHz)	Modulation	Resource Block Allocation	
					RBs allocated	RB Offset
n2	15K	376000	15	DFT-s PI/2 BPSK	1	1
n5	15K	165800	10	DFT-s PI/2 BPSK	1	1

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2 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§22.913(a)(5) §24.232(c) §27.1507(a)(3) §27.50(a)(3)(i) §27.50(b)(10) §27.50(c)(10) §27.50(d)(4) §27.50(h)(2) §27.50(j)(3) §27.50(k)(3)	ERP/ EIRP measurement	Compliant
§2.1049(h)	99% & 26dB Occupied Bandwidth	Compliant
§22.917(a) §24.238(a) §27.1509(a) §27.53(a)(4) §27.53(c)(2) §27.53(g) §27.53(h)(1) §27.53(l)(2) §27.53(m)(4) §27.53(n)(2)	Out of Band Emissions at Antenna Terminals and Band Edge / Emission mask requirements	Compliant
§22.917(a) §24.238(a) §27.1509(a) §27.53(a)(4) §27.53(c)(2) §27.53(g) §27.53(h)(1) §27.53(l)(2) §27.53(m)(4) §27.53(n)(2)	Field Strength of Spurious Radiation	Compliant
§22.913(d) §24.232(d) §27.1507(d) §27.50 (k)(4) §27.50(a)(1)(B) §27.50(d)(5) §27.50(j)(4)	Peak to Average Ratio	Compliant
§2.1055(a)(1) §22.355 §24.235 §27.54	Frequency Stability	Compliant

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2.1 Test Methodology of Applied Standards

1. FCC 47 CFR Part 2, 22H
2. FCC 47 CFR Part 2, 24E
3. FCC 47 CFR Part 2, 27C
4. ANSI C63.26:2015
5. FCC KDB 971168 D01 Power Meas License Digital System v03r01
6. FCC KDB 412172 D01 Determining ERP and EIRP v01r01

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2.2 Measurement Uncertainty

Test Items	Uncertainty
Power Density	+/- 0.61 dB
Output Power measurement	+/- 0.97 dB
ERP/ EIRP measurement	+/- 2.15 dB
Emission Bandwidth	+/- 1.38 Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/- 0.77 dB
Peak to Average Ratio	+/- 0.97 dB
Frequency Stability vs. Temperature	+/- 1.48 Hz
Frequency Stability vs. Voltage	+/- 1.48 Hz
Temperature	+/- 0.60 °C
Humidity	+/- 3.00 %
DC / AC Power Source	+/- 1.00 %

Radiated Spurious Emission Measurement Uncertainty		
Polarization: Vertical	+/- 1.89 dB	9kHz - 30MHz
	+/- 4.10 dB	30MHz - 1000MHz
	+/- 3.41 dB	1GHz - 18GHz
	+/- 3.89 dB	18GHz - 40GHz
Polarization: Horizontal	+/- 1.89 dB	9kHz - 30MHz
	+/- 4.10 dB	30MHz - 1000MHz
	+/- 3.41 dB	1GHz - 18GHz
	+/- 3.89 dB	18GHz - 40GHz
Radiated Spurious Emission	+/- 2.00 dB	33GHz - 50GHz
	+/- 1.59 dB	50GHz - 60GHz
	+/- 1.71 dB	60GHz - 90GHz
	+/- 1.64 dB	90GHz - 140GHz
	+/- 3.84 dB	140GHz - 220GHz

Note

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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2.3 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number / Registration Number	IC CAB identifier / Company Number
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803	SAC 1 / SAC 2 / SAC 3 Conduction 1 / Conducted 1 Conducted 2 / Conducted 3 Conducted 4 / Conducted 5 Conducted 6	TW0027 / 891563	TW3702 / 4620A
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.2, Keji 1st Rd, Guishan District, Taoyuan City, Taiwan 333	SAC C / SAC D / SAC G Conduction C/ Conducted A Conducted B / Conducted C Conducted D / Conducted E Conducted F / Conducted G	TW0028 / 200037	TW3702 / 4620E

Test Condition	Test Site name	Test Engineer	Test Environment (T&H)	Test Date
Conducted	Conducted 3	Brian Wang	23.5~25.4°C / 55~60%	2025/12/17 ~ 2026/01/22

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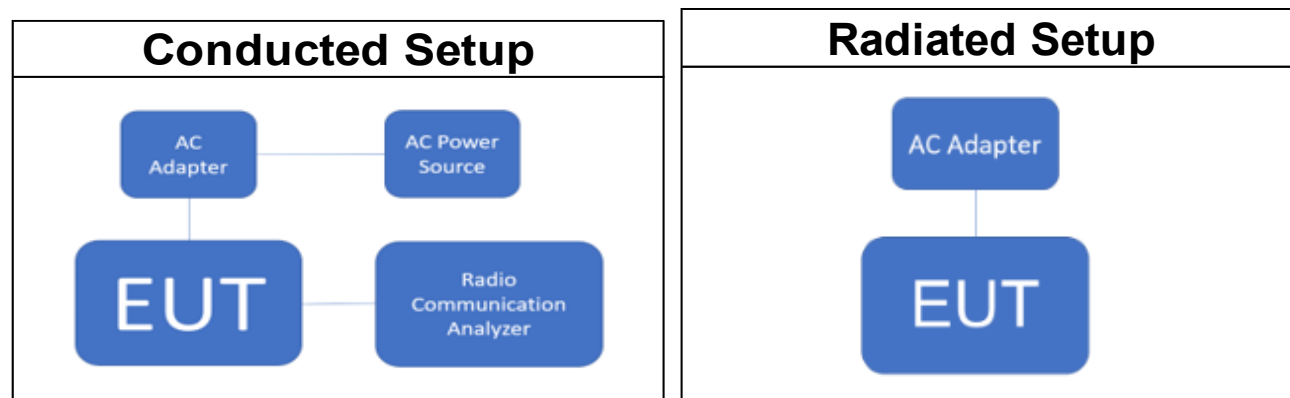
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3 CONTROL UNIT(S) AND PERIPHERAL(S)

3.1 EUT Exercise

1. The EUT (Transmitter) was operated in the continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.
2. The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level. The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

3.2 Diagrams



3.3 List

3.3.1 Conducted Setup

Conducted Emission Test Site: Conducted 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
AC Adapter	LUCENT TRANS	1D17-EDHD	1D17C000507002253 900069	N/A	N/A

3.3.2 Radiated Setup

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
AC Adapter	LUCENT TRANS	1D17-EDHD	1D17C000507002253 900069	N/A	N/A

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4 MEASUREMENT EQUIPMENT USED

4.1 Conducted Measurement

Conducted Emission Test Site: Conducted 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
AC Power Source	Gwinstek	APS-7050E	GEV171679	11/14/2025	11/13/2026
Attenuator	Mini-Circuits	BW-S10W2+	8	12/07/2025	12/06/2026
DC Block	Titan	T0610A00127A	SNK47001	12/07/2025	12/06/2026
PXA Spectrum Analyzer	Keysight	N9030B	MY61330494	04/16/2025	04/15/2026
Radio Communication Analyzer	KEYSIGHT	E7515B	MY59321561	07/17/2025	07/16/2026
Splitter	RF-Lambda	RFLT2W1G18G	11-JSPF412-017	12/07/2025	12/06/2026
Splitter	mve	MVE8593	A500028	01/09/2026	01/08/2027
Temperature Chamber	Giant Force	GTH-150-40-CP-AR	MAA0512-018	06/04/2025	06/03/2026
Test Software	SGS	Radio Test Software	Ver. 21	N.C.R	N.C.R

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4.2 Radiated Measurement

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
1.3G High Pass Filter	Woken	WHKX10-1066	20	12/07/2025	12/06/2026
2G High Pass Filter	WI	WHKX2.0	440	12/07/2025	12/06/2026
4G High Pass Filter	WI	WHKX4.0	23	12/07/2025	12/06/2026
7G High Pass Filter	WI	WHKX7.0	45	12/07/2025	12/06/2026
Band Reject Filter 1700-2000	Titan	T04N1700200050S01	23040703-7	12/07/2025	12/06/2026
Band Reject Filter 3300-3900	WI	WRCGV3400/3800- 3300/3900-40/12SS	1	12/07/2025	12/06/2026
Band Reject Filter 635-920	Titan	T04N63592050S01	23040703-4	12/07/2025	12/06/2026
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/22/2025	07/21/2026
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	12/23/2025	12/22/2026
Coaxial Cable	EMCI	EMC104-SM-SM- 8000+EMC106-SM- SM-7600	RX Cable 9K- 18G(160125+150817)	07/14/2025	07/13/2026
Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062/2	07/14/2025	07/13/2026
Coaxial Cables	Huber Suhner	SUCOFLEX 102	TX Cable 25M-40G 805068/2	07/14/2025	07/13/2026
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY60242081	10/29/2025	10/28/2026
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	08/07/2025	08/06/2026
Horn Antenna	SCHWARZBECK	BBHA9120D	320	02/20/2025	02/19/2026
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/20/2025	05/19/2026
Horn Antenna	SCHWARZBECK	BBHA9170	184	12/31/2025	12/30/2026
Network Analyzer	R&S	ZNB 4	100947	12/18/2025	12/17/2026
Network Analyzer	R&S	ZNB 40	101842	05/20/2025	05/19/2026
Pre-Amplifier	EMCI	EMC118A45SEE	980933	07/14/2025	07/13/2026
Pre-Amplifier	EMCI	EMC184045SEE	980939	07/14/2025	07/13/2026
Pre-Amplifier	HP	8447D	2944A09469	07/14/2025	07/13/2026
Radio Communication Analyzer	KEYSIGHT	E7515B	MY59321561	07/17/2025	07/16/2026
Site Cal	SGS	SAC 1	N/A	07/14/2025	07/13/2026
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

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Additional measurement

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Band Reject Filter 800-1000	Titan	T04N800100050S01	23040703-6	12/07/2025	12/06/2026
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/22/2025	07/21/2026
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	12/23/2025	12/22/2026
Coaxial Cable	EMCI	EMC104-SM-SM- 8000+EMC106-SM- SM-7600	RX Cable 9K- 18G(160125+150817)	07/14/2025	07/13/2026
Coaxial Cables	Huber Suhner	SUCOFLEX 102	TX Cable 25M-40G 805068/2	07/14/2025	07/13/2026
Network Analyzer	R&S	ZNB 40	101842	05/20/2025	05/19/2026
MXA Spectrum Analyzer	KEYSIGHT	N9021B	MY62242004	06/11/2025	06/10/2026
Pre-Amplifier	HP	8447D	2944A09469	07/14/2025	07/13/2026
Radio Communication Analyzer	KEYSIGHT	E7515B	MY59321561	07/17/2025	07/16/2026
Site Cal	SGS	SAC 1	N/A	07/14/2025	07/13/2026
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

NOTE: N.C.R refers to Not Calibrated Required.

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5 REGULATORY REQUIREMENTS

5.1 Maximum Output Power

§22.913(a)(5)

(5) The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

§24.232(c)

(c) Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

§27.1507(a)(3)

(3) Mobile, control and auxiliary test stations. Mobile, control and auxiliary test stations must not exceed 10 watts ERP.

§27.50(a)(3)(i)

(i) For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.

§27.50(b)(10)

(10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

§27.50(c)(10)

(10) Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

§27.50(d)(4)

(4) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

§27.50(h)(2)

(2) Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

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§27.50(j)(3)

(3) Mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

§27.50(k)(3)

(3) Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

5.2 Occupied Bandwidth

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power.

5.3 Out Of Band Emission At Antenna Terminals

§22.917(a)

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

§24.238(a)

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

§27.1509(a)

(a) For 900 MHz broadband operations in 897.5-900.5 MHz band by at least $43 + 10 \log(P)$ dB.

§27.53(a)(4)

(4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

- (i) By a factor of not less than: $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log(P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log(P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log(P)$ dB on all frequencies between 2328 and 2337 MHz;
- (ii) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log(P)$ dB below 2288 MHz;
- (iii) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log(P)$ dB above 2365 MHz.

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§27.53(c)(2)

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;

§27.53(g)

(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

§27.53(h)(1)

(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log 10 (P)$ dB.

§27.53(l)(2)

(2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§27.53(m)(4)

(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

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§27.53(n)(2)

(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

5.4 Field Strength Of Spurious Radiation

§22.917(a)

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

§24.238(a)

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

§27.1509(a)

(a) For 900 MHz broadband operations in 897.5-900.5 MHz band by at least $43 + 10 \log(P)$ dB.

§27.53(a)(4)

(4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

- (i) By a factor of not less than: $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log(P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log(P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log(P)$ dB on all frequencies between 2328 and 2337 MHz;
- (ii) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log(P)$ dB below 2288 MHz;
- (iii) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log(P)$ dB above 2365 MHz.

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§27.53(c)(2)

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;

§27.53(g)

(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

§27.53(h)(1)

(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log 10 (P)$ dB.

§27.53(l)(2)

(2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§27.53(m)(4)

(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

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§27.53(n)(2)

(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

5.5 Frequency Stability

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

5.6 Peak to Average Ratio

The peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

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6 TEST CONFIGURATION

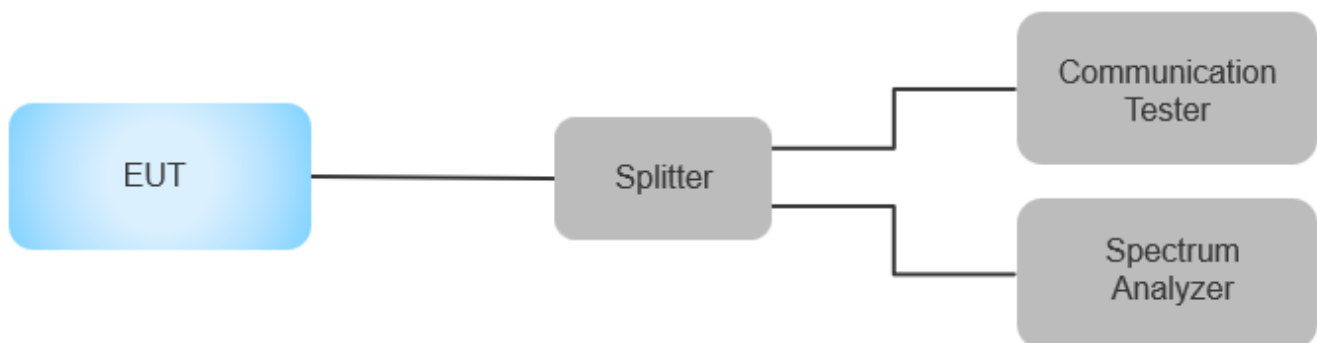
6.1 Maximum Output Power



The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading.

KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results.

6.2 Occupied Bandwidth



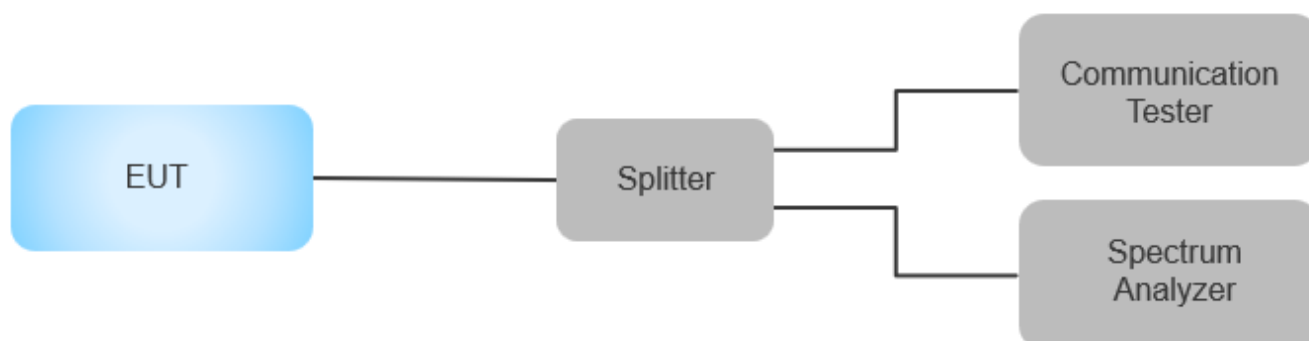
99% &26dB Bandwidth with detector peak

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about 1% of emission BW, VBW= 3 times RBW, -26dBc display line was placed on the screen (or 26dB bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace. Then set RBW to 99% bandwidth, RBW= 1% ~ 5%, VBW $\geq 3 * RBW$, with span $> 2 * \text{Signal BW}$, set % Power = 99%.

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6.3 Out Of Band Emission At Antenna Terminals



6.3.1 Out Of Band Emission

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

To connect Antenna Port of EUT to Spectrum.

Set RBW = 1MHz & VBW = 1MHz on Spectrum.

Allow trace to fully stabilize

Repeat above procedures until all default test channel measured were complete.

6.3.2 Band Edge

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

To connect Antenna Port of EUT to Spectrum.

Set RBW = 1MHz & VBW = 1MHz on Spectrum.

Allow trace to fully stabilize

Repeat above procedures until all default test channel measured were complete.

1. To connect Antenna Port of EUT to Spectrum.
2. The band edge of low and high channels for the highest RF powers was measured.
Setting RBW $\geq$ 1% EBW.
3. Detector = Average
4. Allow trace to fully stabilize
5. Repeat above procedures until all default test channel measured were complete.

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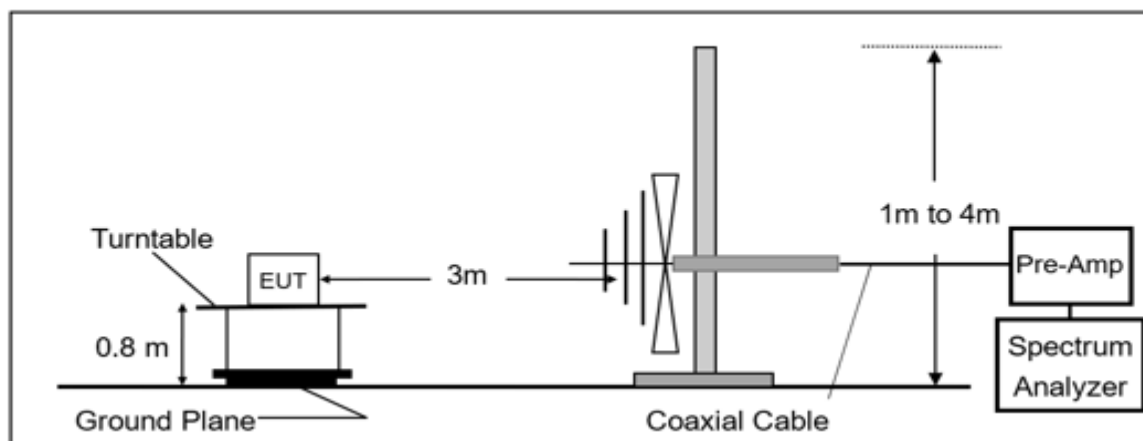
6.4 Field Strength Of Spurious Radiation

For Measurements From 9 kHz To 30 MHz

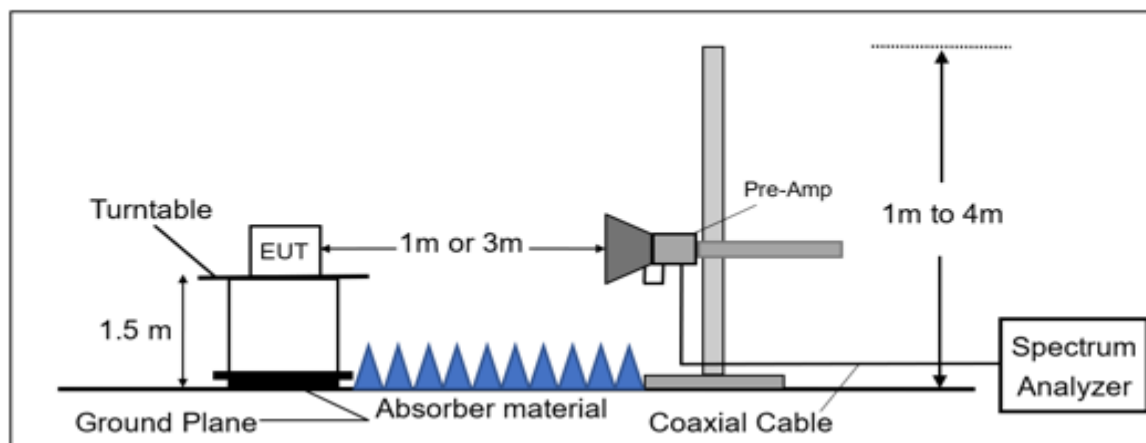
Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



Radiated Emission Test Set-Up, Frequency Above 1GHz.



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The Equipment Under Test (EUT) was positioned on a non-conductive turntable that rotates 360 degrees. The receiving antenna was placed 3 meters from the EUT, with height varied between 1-4 meters to maximize emission detection.

To identify maximum emission levels, the following parameters were optimized:

EUT azimuth angle through 360-degree rotation

EUT orientation in three orthogonal axes

Antenna height (1-4 meters)

Antenna polarization (horizontal and vertical)

For frequencies above 1 GHz, measurements were conducted with the antenna maintained within the 3dB illumination bandwidth and pointed toward the EUT in both azimuth and elevation angles.

The frequency range extending to the tenth harmonic was investigated for three fundamental frequencies (low, middle, and high channels). Spurious emissions were identified and their power levels determined using the substitution method. The spurious emission attenuation was calculated as the difference between the radiated power at the fundamental frequency and the spurious emission frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

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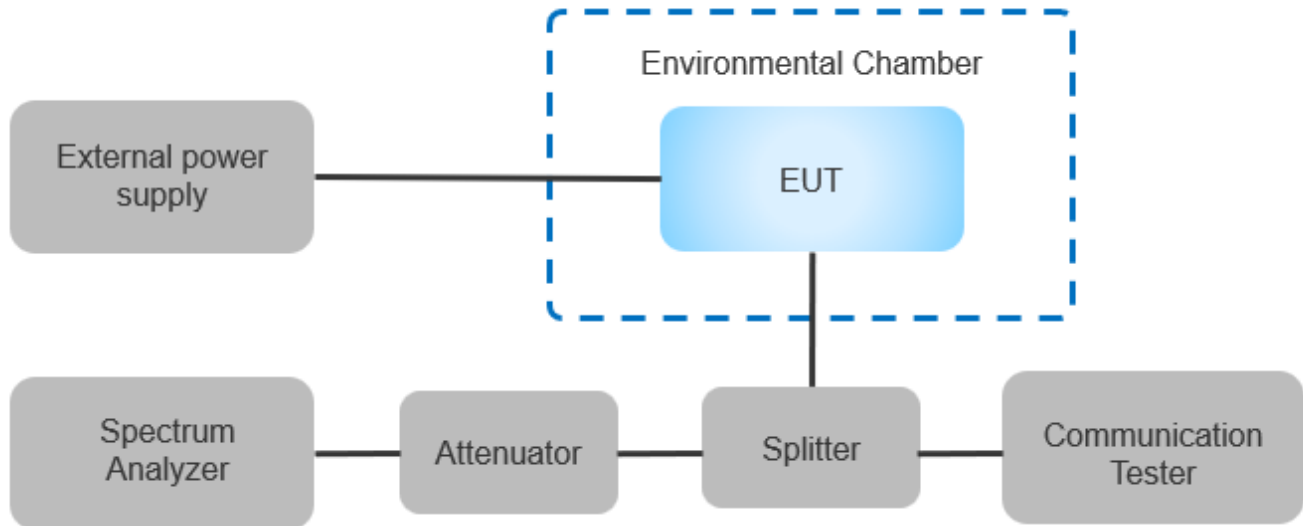
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6.5 Frequency Stability



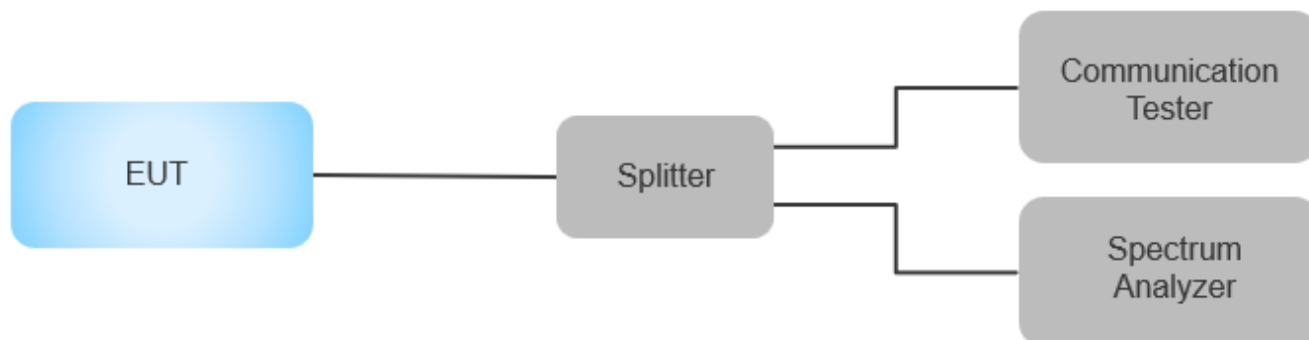
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint as declared by the manufacturer, record the maximum frequency change.

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6.6 Peak To Average Ratio



1. KDB 971168 D01 is employed as the following procedure is proper adjusted accordingly:
2. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth; & internal = 1ms
3. As an alternative, the highest power level measured in a narrower RBW (relative to the specified reference bandwidth) can be scaled by applying a correction factor determined from: $10 \log [(reference\ bandwidth) / (resolution\ or\ measurement\ band-width)]$.
4. Set the number of counts to a value that stabilizes the measured CCDF curve.

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7 TEST RESULTS

7.1 Maximum Output Power

7.1.1 Duty Factor

Part22

Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)
FDD	100.00	0.00

Part24

Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)
FDD	100.00	0.00

Part27

Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)
FDD	100.00	0.00
(TDD)NR_n77	20.00	6.99

Part27



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7.1.2 ERP/EIRP

Part22

5G NR Band n5 : 824 to 849 MHz					Conducted Average (dBm)			ERP (dBm)		
Antenna Gain(dBi)		3.88			Channel (ARFCH)/ Frequency (MHz)			Channel (ARFCH)/ Frequency (MHz)		
ERP Limit (W)		7			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	165300	167300	169300	165300	167300	169300
5	15	DFT-s PI/2 BPSK	1	1	24.88	24.59	24.54	26.61	26.32	26.27
			1	23	24.75	24.46	24.44	26.34	26.19	26.17
			12	6	24.61	24.72	24.61	25.81	26.45	26.34
			25	0	24.08	24.21	24.02	25.81	25.94	25.75
		DFT-s QPSK	1	1	24.84	24.59	24.43	26.57	26.32	26.16
			1	23	24.79	24.48	24.27	26.52	26.21	26.00
			12	6	20.10	24.71	24.63	21.83	26.44	26.36
			25	0	23.74	23.69	23.62	25.47	25.42	25.35
		DFT-s 16QAM	1	1	23.73	23.76	23.53	25.46	25.49	25.26
		DFT-s 64QAM	1	1	22.94	22.55	21.96	24.67	24.28	23.69
		DFT-s 256QAM	1	1	20.72	19.55	19.65	22.45	21.28	21.38
		CP QPSK	1	1	23.46	22.98	23.12	25.19	24.71	24.85
		CP 16QAM	1	1	22.63	22.71	22.60	24.36	24.44	24.33
		CP 64QAM	1	1	21.34	20.85	21.52	23.07	22.58	23.25
		CP 256QAM	1	1	18.63	18.17	18.22	20.36	19.90	19.95

5G NR Band n5 : 824 to 849 MHz					Conducted Average (dBm)			ERP (dBm)		
Antenna Gain(dBi)		3.88			Channel (ARFCH)/ Frequency (MHz)			Channel (ARFCH)/ Frequency (MHz)		
ERP Limit (W)		7			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	165800	167300	168800	165800	167300	168800
10	15	DFT-s PI/2 BPSK	1	1	25.10	24.70	24.85	26.83	26.43	26.58
			1	50	24.61	24.67	24.56	26.34	26.40	26.29
			25	12	24.62	24.67	24.64	26.35	26.40	26.37
			50	0	24.19	24.18	24.19	25.92	25.91	25.92
		DFT-s QPSK	1	1	24.81	25.00	24.80	26.54	26.73	26.53
			1	50	24.78	24.86	24.40	26.51	26.59	26.13
			25	12	24.68	24.71	24.63	26.41	26.44	26.36
			50	0	23.68	23.76	23.71	25.41	25.49	25.44
		DFT-s 16QAM	1	1	23.74	23.84	23.96	25.47	25.57	25.69
		DFT-s 64QAM	1	1	22.31	22.31	22.31	24.04	24.04	24.04
		DFT-s 256QAM	1	1	20.83	20.36	20.40	22.56	22.09	22.13
		CP QPSK	1	1	23.33	22.67	23.46	25.06	24.40	25.19
		CP 16QAM	1	1	22.98	22.33	22.91	24.71	24.06	24.64
		CP 64QAM	1	1	20.94	21.14	21.39	22.67	22.87	23.12
		CP 256QAM	1	1	18.34	18.48	18.13	20.07	20.21	19.86

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5G NR Band n5 : 824 to 849 MHz					Conducted Average (dBm)			ERP (dBm)		
Antenna Gain(dBi)		3.88			Channel (ARFCH)/ Frequency (MHz)			Channel (ARFCH)/ Frequency (MHz)		
ERP Limit (W)		7			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	166300	167300	168300	166300	167300	168300
15	15	DFT-s PI/2 BPSK	1	1	24.56	24.70	24.85	26.29	26.43	26.58
			1	77	24.78	24.78	24.66	26.51	26.51	26.39
			36	18	24.67	24.65	24.75	26.40	26.38	26.48
			75	0	24.15	24.18	24.17	25.88	25.91	25.90
		DFT-s QPSK	1	1	24.54	24.21	24.71	26.27	25.94	26.44
			1	77	24.59	24.28	24.64	26.32	26.01	26.37
			36	18	24.74	24.68	24.70	26.47	26.41	26.43
			75	0	23.66	23.69	23.74	25.39	25.42	25.47
		DFT-s 16QAM	1	1	23.80	23.86	23.82	25.53	25.59	25.55
		DFT-s 64QAM	1	1	22.67	22.22	22.44	24.40	23.95	24.17
		DFT-s 256QAM	1	1	20.59	20.57	20.39	22.32	22.30	22.12
		CP QPSK	1	1	22.60	23.53	23.38	24.33	25.26	25.11
		CP 16QAM	1	1	22.35	22.77	22.40	24.08	24.50	24.13
		CP 64QAM	1	1	21.07	21.18	21.30	22.80	22.91	23.03
		CP 256QAM	1	1	18.71	18.56	18.95	20.44	20.29	20.68

5G NR Band n5 : 824 to 849 MHz					Conducted Average (dBm)			ERP (dBm)		
Antenna Gain(dBi)		3.88			Channel (ARFCH)/ Frequency (MHz)			Channel (ARFCH)/ Frequency (MHz)		
ERP Limit (W)		7			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	166800	167300	167800	166800	167300	167800
20	15	DFT-s PI/2 BPSK	1	1	24.81	24.60	24.59	26.54	26.33	26.32
			1	104	24.58	24.63	24.70	26.31	26.36	26.43
			50	25	24.57	24.58	24.62	26.30	26.31	26.35
			100	0	24.15	24.09	24.09	25.88	25.82	25.82
		DFT-s QPSK	1	1	24.52	24.56	24.59	26.25	26.29	26.32
			1	104	24.60	24.61	24.48	26.33	26.34	26.21
			50	25	24.68	24.72	24.70	26.41	26.45	26.43
			100	0	23.72	23.72	23.64	25.45	25.45	25.37
		DFT-s 16QAM	1	1	23.91	23.83	23.73	25.64	25.56	25.46
		DFT-s 64QAM	1	1	22.12	22.38	21.92	23.85	24.11	23.65
		DFT-s 256QAM	1	1	20.48	20.60	20.65	22.21	22.33	22.38
		CP QPSK	1	1	23.14	23.29	23.21	24.87	25.02	24.94
		CP 16QAM	1	1	22.46	22.89	22.78	24.19	24.62	24.51
		CP 64QAM	1	1	21.29	21.55	21.48	23.02	23.28	23.21
		CP 256QAM	1	1	18.59	18.47	18.42	20.32	20.20	20.15

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Part24

5G NR Band n2 : 1850 to 1910 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		2.29			Channel (ARFCH) / Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		2			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	370500	376000	381500	370500	376000	381500
					1852.50	1880.00	1907.50	1852.50	1880.00	1907.50
5	15	DFT-s PI/2 BPSK	1	1	24.71	24.32	24.16	27.00	26.61	26.45
			1	23	24.68	24.34	24.30	26.97	26.63	26.59
			12	6	24.57	24.64	24.46	26.86	26.93	26.75
			25	0	24.03	24.08	23.88	26.32	26.37	26.17
		DFT-s QPSK	1	1	24.70	24.36	23.85	26.99	26.65	26.14
			1	23	24.63	24.38	24.15	26.92	26.67	26.44
			12	6	24.53	24.57	24.45	26.82	26.86	26.74
			25	0	23.52	23.55	23.46	25.81	25.84	25.75
		DFT-s 16QAM	1	1	23.60	23.46	23.32	25.89	25.75	25.61
		DFT-s 64QAM	1	1	22.74	22.41	21.73	25.03	24.70	24.02
		DFT-s 256QAM	1	1	20.56	19.34	19.38	22.85	21.63	21.67
		CP QPSK	1	1	23.22	22.81	22.91	25.51	25.10	25.20
		CP 16QAM	1	1	22.37	22.53	22.48	24.66	24.82	24.77
		CP 64QAM	1	1	21.03	20.70	21.45	23.32	22.99	23.74
		CP 256QAM	1	1	18.42	17.92	17.97	20.71	20.21	20.26

5G NR Band n2 : 1850 to 1910 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		2.29			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		2			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	371000	376000	381000	371000	376000	381000
					1855.00	1880.00	1905.00	1855.00	1880.00	1905.00
10	15	DFT-s PI/2 BPSK	1	1	24.68	24.50	24.25	26.97	26.79	26.54
			1	50	24.51	24.65	24.28	26.80	26.94	26.57
			25	12	24.45	24.52	24.45	26.74	26.81	26.74
			50	0	24.09	24.06	24.02	26.38	26.35	26.31
		DFT-s QPSK	1	1	24.59	24.39	24.25	26.88	26.68	26.54
			1	50	24.29	24.52	24.42	26.58	26.81	26.71
			25	12	24.57	24.48	24.42	26.86	26.77	26.71
			50	0	23.64	23.58	23.52	25.93	25.87	25.81
		DFT-s 16QAM	1	1	23.87	23.33	23.43	26.16	25.62	25.72
		DFT-s 64QAM	1	1	22.15	22.56	22.34	24.44	24.85	24.63
		DFT-s 256QAM	1	1	20.19	19.77	20.25	22.48	22.06	22.54
		CP QPSK	1	1	23.27	23.27	22.72	25.56	25.56	25.01
		CP 16QAM	1	1	22.77	22.77	22.49	25.06	25.06	24.78
		CP 64QAM	1	1	21.26	21.11	21.00	23.55	23.40	23.29
		CP 256QAM	1	1	17.88	18.04	18.31	20.17	20.33	20.60

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5G NR Band n2 : 1850 to 1910 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		2.29			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		2			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	371500	376000	380500	371500	376000	380500
					1857.50	1880.00	1902.50	1857.50	1880.00	1902.50
15	15	DFT-s PI/2 BPSK	1	1	24.69	24.80	24.48	26.98	27.09	26.77
			1	77	24.65	24.76	24.43	26.94	27.05	26.72
			36	18	24.66	24.58	24.51	26.95	26.87	26.80
			75	0	24.08	24.04	24.02	26.37	26.33	26.31
		DFT-s QPSK	1	1	24.61	24.74	24.49	26.90	27.03	26.78
			1	77	24.66	24.70	24.46	26.95	26.99	26.75
			36	18	24.63	24.67	24.42	26.92	26.96	26.71
			75	0	23.65	23.59	23.56	25.94	25.88	25.85
		DFT-s 16QAM	1	1	23.82	23.70	23.73	26.11	25.99	26.02
		DFT-s 64QAM	1	1	21.86	22.26	22.63	24.15	24.55	24.92
		DFT-s 256QAM	1	1	20.09	19.71	20.51	22.38	22.00	22.80
		CP QPSK	1	1	22.99	23.16	22.97	25.28	25.45	25.26
		CP 16QAM	1	1	22.73	22.76	22.34	25.02	25.05	24.63
		CP 64QAM	1	1	20.98	21.46	21.13	23.27	23.75	23.42
		CP 256QAM	1	1	18.31	17.95	18.80	20.60	20.24	21.09

5G NR Band n2 : 1850 to 1910 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		2.29			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		2			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	372000	376000	380000	372000	376000	380000
					1860.00	1880.00	1900.00	1860.00	1880.00	1900.00
20	15	DFT-s PI/2 BPSK	1	1	24.70	24.60	24.42	26.99	26.89	26.71
			1	104	24.52	24.47	24.61	26.81	26.76	26.90
			50	25	24.63	24.50	24.55	26.92	26.79	26.84
			100	0	24.08	23.97	24.01	26.37	26.26	26.30
		DFT-s QPSK	1	1	24.66	24.51	24.41	26.95	26.80	26.70
			1	104	24.42	24.63	24.33	26.71	26.92	26.62
			50	25	24.57	24.58	24.51	26.86	26.87	26.80
			100	0	23.49	23.56	23.55	25.78	25.85	25.84
		DFT-s 16QAM	1	1	23.98	23.65	23.87	26.27	25.94	26.16
		DFT-s 64QAM	1	1	22.51	22.21	22.05	24.80	24.50	24.34
		DFT-s 256QAM	1	1	20.10	19.89	20.17	22.39	22.18	22.46
		CP QPSK	1	1	23.31	23.37	22.76	25.60	25.66	25.05
		CP 16QAM	1	1	22.92	22.53	22.39	25.21	24.82	24.68
		CP 64QAM	1	1	21.49	21.23	21.25	23.78	23.52	23.54
		CP 256QAM	1	1	18.65	17.70	18.09	20.94	19.99	20.38

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Part27

5G NR Band n66 : 1710 to 1780 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		2.29			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		1			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	342500	349000	355500	342500	349000	355500
					1712.50	1745.00	1777.50	1712.50	1745.00	1777.50
5	15	DFT-s PI/2 BPSK	1	1	24.78	25.15	24.48	27.07	27.44	26.77
			1	23	24.89	24.56	24.49	27.18	26.85	26.78
			12	6	24.75	24.69	24.74	27.04	26.98	27.03
			25	0	24.39	24.23	24.17	26.68	26.52	26.46
		DFT-s QPSK	1	1	24.62	24.96	24.46	26.91	27.25	26.75
			1	23	24.86	24.91	24.46	27.15	27.20	26.75
			12	6	24.80	24.71	24.71	27.09	27.00	27.00
			25	0	23.88	23.72	23.66	26.17	26.01	25.95
		DFT-s 16QAM	1	1	23.78	23.84	23.61	26.07	26.13	25.90
		DFT-s 64QAM	1	1	22.44	22.97	22.48	24.73	25.26	24.77
		DFT-s 256QAM	1	1	20.56	20.81	19.52	22.85	23.10	21.81
		CP QPSK	1	1	23.77	23.32	23.10	26.06	25.61	25.39
		CP 16QAM	1	1	23.48	22.53	22.84	25.77	24.82	25.13
		CP 64QAM	1	1	21.44	21.27	20.95	23.73	23.56	23.24
		CP 256QAM	1	1	18.44	18.62	18.23	20.73	20.91	20.52

5G NR Band n66 : 1710 to 1780 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		2.29			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		1			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	343000	349000	355000	343000	349000	355000
					1715.00	1745.00	1775.00	1715.00	1745.00	1775.00
10	15	DFT-s PI/2 BPSK	1	1	25.23	24.78	24.59	27.52	27.07	26.88
			1	50	24.86	24.78	24.81	27.15	27.07	27.10
			25	12	24.78	24.73	24.75	27.07	27.02	27.04
			50	0	24.38	24.25	24.17	26.67	26.54	26.46
		DFT-s QPSK	1	1	24.90	24.89	24.51	27.19	27.18	26.80
			1	50	25.04	24.52	24.88	27.33	26.81	27.17
			25	12	24.86	24.70	24.64	27.15	26.99	26.93
			50	0	23.86	23.78	23.70	26.15	26.07	25.99
		DFT-s 16QAM	1	1	24.02	24.06	23.45	26.31	26.35	25.74
		DFT-s 64QAM	1	1	22.45	22.42	22.69	24.74	24.71	24.98
		DFT-s 256QAM	1	1	20.38	20.27	19.96	22.67	22.56	22.25
		CP QPSK	1	1	23.33	23.51	23.37	25.62	25.80	25.66
		CP 16QAM	1	1	22.67	22.98	22.78	24.96	25.27	25.07
		CP 64QAM	1	1	21.46	21.44	21.14	23.75	23.73	23.43
		CP 256QAM	1	1	18.48	18.00	18.09	20.77	20.29	20.38

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5G NR Band n66 : 1710 to 1780 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		2.29			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		1			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	343500	349000	354500	343500	349000	354500
15	15	DFT-s PI/2 BPSK	1	1	1717.50	1745.00	1772.50	1717.50	1745.00	1772.50
			1	1	24.97	25.03	24.50	27.26	27.32	26.79
			1	77	24.99	24.66	24.33	27.28	26.95	26.62
			36	18	24.99	24.82	24.65	27.28	27.11	26.94
			75	0	24.39	24.24	24.18	26.68	26.53	26.47
		DFT-s QPSK	1	1	24.57	24.77	24.59	26.86	27.06	26.88
			1	77	24.45	24.68	24.53	26.74	26.97	26.82
			36	18	24.63	24.77	24.62	26.92	27.06	26.91
			75	0	23.93	23.80	23.70	26.22	26.09	25.99
		DFT-s 16QAM	1	1	24.11	23.96	23.76	26.40	26.25	26.05
		DFT-s 64QAM	1	1	22.57	22.62	22.32	24.86	24.91	24.61
		DFT-s 256QAM	1	1	20.72	20.41	20.28	23.01	22.70	22.57
		CP QPSK	1	1	23.54	23.32	22.97	25.83	25.61	25.26
		CP 16QAM	1	1	22.94	22.49	22.80	25.23	24.78	25.09
		CP 64QAM	1	1	21.34	21.23	21.16	23.63	23.52	23.45
		CP 256QAM	1	1	18.63	18.85	17.63	20.92	21.14	19.92

5G NR Band n66 : 1710 to 1780 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		2.29			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		1			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	344000	349000	354000	344000	349000	354000
20	15	DFT-s PI/2 BPSK	1	1	1720.00	1745.00	1770.00	1720.00	1745.00	1770.00
			1	1	24.86	24.68	24.69	27.15	26.97	26.98
			1	104	24.69	24.72	24.71	26.98	27.01	27.00
			50	25	24.78	24.82	24.54	27.07	27.11	26.83
			100	0	24.30	24.22	24.05	26.59	26.51	26.34
		DFT-s QPSK	1	1	24.79	24.73	24.57	27.08	27.02	26.86
			1	104	24.77	24.62	24.59	27.06	26.91	26.88
			50	25	24.79	24.81	24.56	27.08	27.10	26.85
			100	0	23.83	23.79	23.60	26.12	26.08	25.89
		DFT-s 16QAM	1	1	24.28	23.95	23.71	26.57	26.24	26.00
		DFT-s 64QAM	1	1	22.77	22.18	22.28	25.06	24.47	24.57
		DFT-s 256QAM	1	1	20.63	20.48	20.19	22.92	22.77	22.48
		CP QPSK	1	1	23.44	23.26	23.23	25.73	25.55	25.52
		CP 16QAM	1	1	23.21	22.93	22.64	25.50	25.22	24.93
		CP 64QAM	1	1	21.82	21.59	21.28	24.11	23.88	23.57
		CP 256QAM	1	1	18.48	18.32	17.89	20.77	20.61	20.18

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5G NR Band n77_Part27: 3450 to 3550 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		-0.3			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		1			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	630334	633334	636332	630334	633334	636332
					3455.01	3500.01	3544.98	3455.01	3500.01	3544.98
10	30	DFT-s PI/2 BPSK	1	1	24.56	24.27	23.73	24.26	23.97	23.43
			1	22	24.50	24.20	23.86	24.20	23.90	23.56
			12	6	23.93	24.17	23.75	23.63	23.87	23.45
			24	0	23.82	23.66	23.23	23.52	23.36	22.93
		DFT-s QPSK	1	1	24.45	24.19	23.74	24.15	23.89	23.44
			1	22	24.46	24.02	24.05	24.16	23.72	23.75
			12	6	24.30	24.20	23.76	24.00	23.90	23.46
			24	0	23.29	23.14	22.74	22.99	22.84	22.44
		DFT-s 16QAM	1	1	23.43	23.09	22.32	23.13	22.79	22.02
		DFT-s 64QAM	1	1	21.76	21.99	21.34	21.46	21.69	21.04
		DFT-s 256QAM	1	1	19.84	19.81	18.98	19.54	19.51	18.68
		CP QPSK	1	1	22.88	23.24	22.08	22.58	22.94	21.78
		CP 16QAM	1	1	22.42	22.21	21.83	22.12	21.91	21.53
		CP 64QAM	1	1	20.58	21.01	20.17	20.28	20.71	19.87
		CP 256QAM	1	1	17.61	18.27	17.32	17.31	17.97	17.02

5G NR Band n77_Part27: 3450 to 3550 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		-0.3			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		1			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	630500	633334	636166	630500	633334	636166
					3457.50	3500.01	3542.49	3457.50	3500.01	3542.49
15	30	DFT-s PI/2 BPSK	1	1	24.59	24.33	23.91	24.29	24.03	23.61
			1	36	24.30	24.05	23.64	24.00	23.75	23.34
			18	9	24.42	24.25	23.84	24.12	23.95	23.54
			36	0	23.91	23.70	23.27	23.61	23.40	22.97
		DFT-s QPSK	1	1	24.45	24.27	23.67	24.15	23.97	23.37
			1	36	24.35	24.06	23.76	24.05	23.76	23.46
			18	9	24.40	24.20	23.79	24.10	23.90	23.49
			36	0	23.40	23.21	22.78	23.10	22.91	22.48
		DFT-s 16QAM	1	1	23.42	23.24	22.85	23.12	22.94	22.55
		DFT-s 64QAM	1	1	21.78	21.73	21.65	21.48	21.43	21.35
		DFT-s 256QAM	1	1	20.09	19.63	19.61	19.79	19.33	19.31
		CP QPSK	1	1	23.05	22.97	22.16	22.75	22.67	21.86
		CP 16QAM	1	1	22.79	22.89	21.81	22.49	22.59	21.51
		CP 64QAM	1	1	20.98	20.70	20.69	20.68	20.40	20.39
		CP 256QAM	1	1	18.04	17.47	17.43	17.74	17.17	17.13

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5G NR Band n77_Part27: 3450 to 3550 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		-0.3			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		1			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	630668	633334	636000	630668	633334	636000
					3460.02	3500.01	3540.00	3460.02	3500.01	3540.00
20	30	DFT-s PI/2 BPSK	1	1	24.49	24.36	23.85	24.19	24.06	23.55
			1	49	24.45	24.03	23.77	24.15	23.73	23.47
			25	12	24.45	24.22	23.83	24.15	23.92	23.53
			50	0	23.94	23.69	23.31	23.64	23.39	23.01
		DFT-s QPSK	1	1	24.36	24.31	23.67	24.06	24.01	23.37
			1	49	24.27	24.06	23.84	23.97	23.76	23.54
			25	12	24.44	24.21	23.84	24.14	23.91	23.54
			50	0	23.43	23.18	22.80	23.13	22.88	22.50
		DFT-s 16QAM	1	1	23.02	23.24	23.01	22.72	22.94	22.71
		DFT-s 64QAM	1	1	22.01	21.56	21.46	21.71	21.26	21.16
		DFT-s 256QAM	1	1	20.20	19.86	19.36	19.90	19.56	19.06
		CP QPSK	1	1	22.93	22.63	22.40	22.63	22.33	22.10
		CP 16QAM	1	1	22.37	22.34	21.89	22.07	22.04	21.59
		CP 64QAM	1	1	20.98	20.70	20.35	20.68	20.40	20.05
		CP 256QAM	1	1	17.53	17.94	16.89	17.23	17.64	16.59

5G NR Band n77_Part27: 3700 to 3980 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		-0.3			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		1			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	647000	656000	665000	647000	656000	665000
					3705.00	3840.00	3975.00	3705.00	3840.00	3975.00
10	30	DFT-s PI/2 BPSK	1	1	24.43	24.49	24.97	24.13	24.19	24.67
			1	22	24.44	24.51	24.68	24.14	24.21	24.38
			12	6	24.47	24.41	24.70	24.17	24.11	24.40
			24	0	24.01	23.94	24.18	23.71	23.64	23.88
		DFT-s QPSK	1	1	24.41	24.41	24.83	24.11	24.11	24.53
			1	22	24.40	24.32	24.80	24.10	24.02	24.50
			12	6	24.49	24.40	24.66	24.19	24.10	24.36
			24	0	23.53	23.43	23.67	23.23	23.13	23.37
		DFT-s 16QAM	1	1	23.44	23.43	23.76	23.14	23.13	23.46
		DFT-s 64QAM	1	1	21.91	21.85	22.36	21.61	21.55	22.06
		DFT-s 256QAM	1	1	20.37	19.73	20.45	20.07	19.43	20.15
		CP QPSK	1	1	23.26	22.83	23.42	22.96	22.53	23.12
		CP 16QAM	1	1	22.41	22.36	22.81	22.11	22.06	22.51
		CP 64QAM	1	1	21.23	20.67	21.44	20.93	20.37	21.14
		CP 256QAM	1	1	18.75	17.64	18.69	18.45	17.34	18.39

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5G NR Band n77_Part27: 3700 to 3980 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		-0.3			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		1			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	647168	656000	664832	647168	656000	664832
15	30	DFT-s PI/2 BPSK	1	1	3707.52	3840.00	3972.48	3707.52	3840.00	3972.48
			1	1	24.33	24.25	24.82	24.03	23.95	24.52
			1	36	24.45	24.20	24.69	24.15	23.90	24.39
			18	9	24.56	24.47	24.80	24.26	24.17	24.50
			36	0	24.08	23.95	24.29	23.78	23.65	23.99
		DFT-s QPSK	1	1	24.46	24.06	24.81	24.16	23.76	24.51
			1	36	24.48	24.13	24.78	24.18	23.83	24.48
			18	9	24.54	24.51	24.81	24.24	24.21	24.51
			36	0	23.60	23.43	23.84	23.30	23.13	23.54
		DFT-s 16QAM	1	1	23.40	23.14	23.72	23.10	22.84	23.42
		DFT-s 64QAM	1	1	22.09	21.73	22.16	21.79	21.43	21.86
		DFT-s 256QAM	1	1	19.95	19.85	20.30	19.65	19.55	20.00
		CP QPSK	1	1	22.94	22.45	23.26	22.64	22.15	22.96
		CP 16QAM	1	1	22.13	22.18	22.79	21.83	21.88	22.49
		CP 64QAM	1	1	20.84	20.87	20.98	20.54	20.57	20.68
		CP 256QAM	1	1	17.56	17.89	17.92	17.26	17.59	17.62

5G NR Band n77_Part27: 3700 to 3980 MHz					Conducted Average (dBm)			EIRP (dBm)		
Antenna Gain(dBi)		-0.3			Channel (ARFCH)/ Frequency(MHz)			Channel (ARFCH)/ Frequency(MHz)		
EIRP Limit (W)		1			Low	Mid	High	Low	Mid	High
BW (MHz)	SCS (kHz)	Modulation	RB Allocation	RB Offset	647334	656000	664666	647334	656000	664666
20	30	DFT-s PI/2 BPSK	1	1	3710.01	3840.00	3969.99	3710.01	3840.00	3969.99
			1	1	24.49	24.34	24.83	24.19	24.04	24.53
			1	49	24.72	24.30	24.66	24.42	24.00	24.36
			25	12	24.58	24.46	24.80	24.28	24.16	24.50
			50	0	24.05	23.95	24.31	23.75	23.65	24.01
		DFT-s QPSK	1	1	24.58	24.47	24.60	24.28	24.17	24.30
			1	49	24.69	24.39	24.68	24.39	24.09	24.38
			25	12	24.56	24.42	24.81	24.26	24.12	24.51
			50	0	23.57	23.46	23.80	23.27	23.16	23.50
		DFT-s 16QAM	1	1	23.32	23.41	23.68	23.02	23.11	23.38
		DFT-s 64QAM	1	1	22.20	22.29	22.37	21.90	21.99	22.07
		DFT-s 256QAM	1	1	19.90	19.95	20.31	19.60	19.65	20.01
		CP QPSK	1	1	23.11	23.15	23.25	22.81	22.85	22.95
		CP 16QAM	1	1	22.39	22.54	22.84	22.09	22.24	22.54
		CP 64QAM	1	1	21.12	21.02	21.38	20.82	20.72	21.08
		CP 256QAM	1	1	17.86	17.41	18.55	17.56	17.11	18.25

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7.2 Occupied Bandwidth

Part22

5G NR BAND n5 Channel bandwidth: 5MHz											
DFT-S-OFDM_SCS 15 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
165300	826.50	4.4901	4.4810	4.4866	4.5115	4.4838	5.2340	5.0590	5.1810	5.1840	5.1170
167300	836.50	4.5010	4.4930	4.4844	4.5176	4.5038	5.1330	5.0850	5.1750	5.1680	5.1700
169300	846.50	4.4725	4.4762	4.4737	4.4966	4.4937	5.1750	5.0600	5.0580	5.1580	5.0930

5G NR BAND n5 Channel bandwidth: 10MHz											
DFT-S-OFDM_SCS 15 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
165800	829.00	8.9320	8.9620	8.9553	8.9354	8.9595	9.5700	9.7180	9.7930	9.7160	9.8300
167300	836.50	8.9316	8.9492	8.9775	8.9164	8.9374	9.7280	9.7150	9.6300	9.7010	9.6880
168800	844.00	8.9525	8.9569	8.9407	8.9764	8.9886	9.7380	9.7760	9.7850	9.7690	9.8020

5G NR BAND n5 Channel bandwidth: 15MHz											
DFT-S-OFDM_SCS 15 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
166300	831.50	13.4400	13.4270	13.3790	13.4230	13.4170	14.4300	14.5000	14.4800	14.3900	14.2900
167300	836.50	13.4120	13.4120	13.4200	13.4320	13.4530	14.4400	14.3700	14.4700	14.5300	14.3900
168300	841.50	13.3780	13.4140	13.4440	13.4240	13.4790	14.3100	14.4300	14.4900	14.3800	14.4000

5G NR BAND n5 Channel bandwidth: 20MHz											
DFT-S-OFDM_SCS 15 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
166800	834.00	17.8540	17.8400	17.8850	17.9040	17.8810	19.0200	18.9900	19.0800	18.9900	19.0200
167300	836.50	17.8830	17.8960	17.8320	17.9500	17.8670	19.1100	18.9700	18.9600	19.0800	18.9500
167800	839.00	17.8450	17.8920	17.9190	17.8640	17.8950	18.9800	19.1500	19.0200	18.9600	18.9700

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Part24

5G NR BAND n2 Channel bandwidth: 5MHz											
DFT-S-OFDM_SCS 15 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
370500	1852.50	4.5191	4.4892	4.4994	4.5159	4.5276	5.2070	5.0650	5.1850	5.1670	4.7180
376000	1880.00	4.4805	4.4791	4.4747	4.4992	4.4918	5.1150	5.0380	5.0970	5.1030	5.1740
381500	1907.50	4.4725	4.4867	4.4691	4.5065	4.4964	5.0440	5.1380	4.9080	5.1180	5.2050

5G NR BAND n2 Channel bandwidth: 10MHz											
DFT-S-OFDM_SCS 15 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
371000	1855.00	8.9327	8.9759	8.9404	8.9646	8.9586	9.6310	9.7560	9.7830	9.8360	9.7750
376000	1880.00	8.9354	8.9568	8.9803	8.9338	8.9578	9.7310	9.8610	9.8600	9.7480	9.8020
381000	1905.00	8.9342	8.9521	8.9784	8.9224	8.9416	9.6720	9.6720	9.6590	9.6860	9.7450

5G NR BAND n2 Channel bandwidth: 15MHz											
DFT-S-OFDM_SCS 15 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
371500	1857.50	13.4060	13.4050	13.3800	13.4350	13.4510	14.3300	14.4900	14.3800	14.3500	14.4200
376000	1880.00	13.4000	13.3700	13.4240	13.4680	13.4190	14.4100	14.3700	14.4200	14.4000	14.3500
380500	1902.50	13.4360	13.4660	13.4380	13.4230	13.4340	14.4100	14.4700	14.3500	14.4100	14.3500

5G NR BAND n2 Channel bandwidth: 20MHz											
DFT-S-OFDM_SCS 15 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
372000	1860.00	17.9320	17.9480	17.9410	17.8530	17.9300	19.1000	18.9900	19.1800	19.0200	19.1000
376000	1880.00	17.7770	17.8080	17.8480	17.8490	17.8450	18.8800	18.9900	19.0100	18.9200	18.9800
380000	1900.00	17.9370	17.9560	17.8940	17.9940	17.9250	19.1000	19.0100	19.0100	19.0800	19.0100

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Part27

5G NR BAND n66 Channel bandwidth: 5MHz											
DFT-S-OFDM_SCS 15 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
342500	1712.50	4.4808	4.4913	4.4787	4.5084	4.4913	5.0480	5.1650	5.0470	5.1490	5.1630
349000	1745.00	4.4657	4.4974	4.4762	4.4987	4.4744	5.0900	4.9830	5.0880	5.1610	5.0910
355500	1777.50	4.5046	4.4936	4.4721	4.4884	4.4817	5.1530	5.0600	4.9720	5.1140	5.0680

5G NR BAND n66 Channel bandwidth: 10MHz											
DFT-S-OFDM_SCS 15 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
343000	1715.00	8.9544	8.9717	8.9543	8.9538	8.9232	9.7460	9.8150	9.7280	9.7500	9.6050
349000	1745.00	8.9571	8.9443	8.9798	8.9757	8.9771	9.7740	9.6990	9.9040	9.7190	9.7840
355000	1775.00	8.9300	8.9750	8.9365	8.9600	8.9488	9.6820	9.7830	9.8630	9.7860	9.7850

5G NR BAND n66 Channel bandwidth: 15MHz											
DFT-S-OFDM_SCS 15 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
343500	1717.50	13.3710	13.3720	13.3450	13.4160	13.4060	14.3500	14.3100	14.2100	14.3400	14.3900
349000	1745.00	13.4480	13.4190	13.4580	13.4950	13.4550	14.5000	14.3400	14.4500	14.5300	14.3100
354500	1772.50	13.4120	13.4320	13.4180	13.4010	13.4170	14.3500	14.3800	14.3700	14.4400	14.3300

5G NR BAND n66 Channel bandwidth: 20MHz											
DFT-S-OFDM_SCS 15 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
344000	1720.00	17.8160	17.8590	17.8250	17.8270	17.7890	19.0800	18.9500	18.9900	18.8600	18.8500
349000	1745.00	17.9440	17.9500	17.9260	17.8580	17.9080	19.1200	19.1200	19.1500	18.9600	19.1100
354000	1770.00	17.8150	17.8360	17.8760	17.8710	17.8740	18.9000	19.0500	19.0200	18.9100	19.0100

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5G NR BAND n77_Part27 Channel bandwidth: 10MHz(3450 to 3550 MHz)											
DFT-S-OFDM_SCS 30 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
630334	3455.01	8.5845	8.6064	8.6072	8.6038	8.6447	9.6130	9.6000	9.7490	9.9180	9.7890
633334	3500.01	8.5851	8.6459	8.6560	8.6016	8.5889	9.6140	10.1200	9.9250	9.8750	9.9550
636332	3544.98	8.6455	8.5992	8.6350	8.6346	8.5974	9.6710	9.5440	9.6340	9.7210	9.7840

5G NR BAND n77_Part27 Channel bandwidth: 15MHz(3450 to 3550 MHz)											
DFT-S-OFDM_SCS 30 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
630500	3457.50	12.9550	12.9660	12.9190	12.8970	12.8920	14.2600	14.3300	14.2600	14.1100	14.1400
633334	3500.01	12.8890	12.9430	12.8950	12.8910	12.9220	14.1000	14.2900	14.3200	14.5000	14.2700
636166	3542.49	12.8890	12.9310	12.8960	12.9030	12.8840	14.1500	14.5300	14.3000	14.2200	14.1700

5G NR BAND n77_Part27 Channel bandwidth: 20MHz(3450 to 3550 MHz)											
DFT-S-OFDM_SCS 30 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
630668	3460.02	17.8570	17.8580	17.8500	17.9130	17.8550	19.1900	19.3200	19.2700	19.6600	19.3500
633334	3500.01	17.9130	17.9420	17.9620	17.8930	17.9440	19.6100	19.4400	19.4300	19.3600	19.5900
636000	3540.00	17.8910	17.9160	17.8990	17.8660	17.8630	19.5400	19.6500	19.5800	19.4100	19.5000

5G NR BAND n77_Part27 Channel bandwidth: 10MHz(3700 to 3980 MHz)											
DFT-S-OFDM_SCS 30 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
647000	3705.00	8.5607	8.5719	8.5826	8.5563	8.6111	9.0410	8.9670	9.2420	9.3720	9.4570
656000	3840.00	8.5558	8.5881	8.6560	8.6320	8.4738	9.0910	9.5330	9.5030	9.4110	9.6440
665000	3975.00	8.5784	8.6037	8.6108	8.6026	8.5899	9.3290	9.5890	9.3680	9.4570	9.4680

5G NR BAND n77_Part27 Channel bandwidth: 15MHz(3700 to 3980 MHz)											
DFT-S-OFDM_SCS 30 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
647168	3707.52	12.8810	12.8070	12.9140	12.8740	12.9350	13.6700	13.6000	13.5800	13.4000	14.0000
656000	3840.00	12.8950	12.8810	12.8750	12.8000	12.8600	13.6400	13.7600	13.5800	13.7800	14.1900
664832	3972.48	12.9200	12.9910	12.9260	12.7680	12.8950	13.8500	14.0700	14.0100	13.8300	13.9600

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5G NR BAND n77_Part27 Channel bandwidth: 20MHz(3700 to 3980 MHz)											
DFT-S-OFDM_SCS 30 kHz											
CH	Freq. (MHz)	99% BW (MHz)					26 dB BW (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
647334	3710.01	17.8660	17.7250	17.8050	17.7790	17.8280	19.0000	18.8400	18.6100	18.7000	18.9500
656000	3840.00	17.7160	17.9310	17.8650	17.9280	17.8460	19.0800	18.8500	18.8500	18.9500	18.9800
664666	3969.99	17.9190	17.8620	17.7400	17.8330	17.8900	18.8200	19.0100	18.7500	18.6100	18.8500

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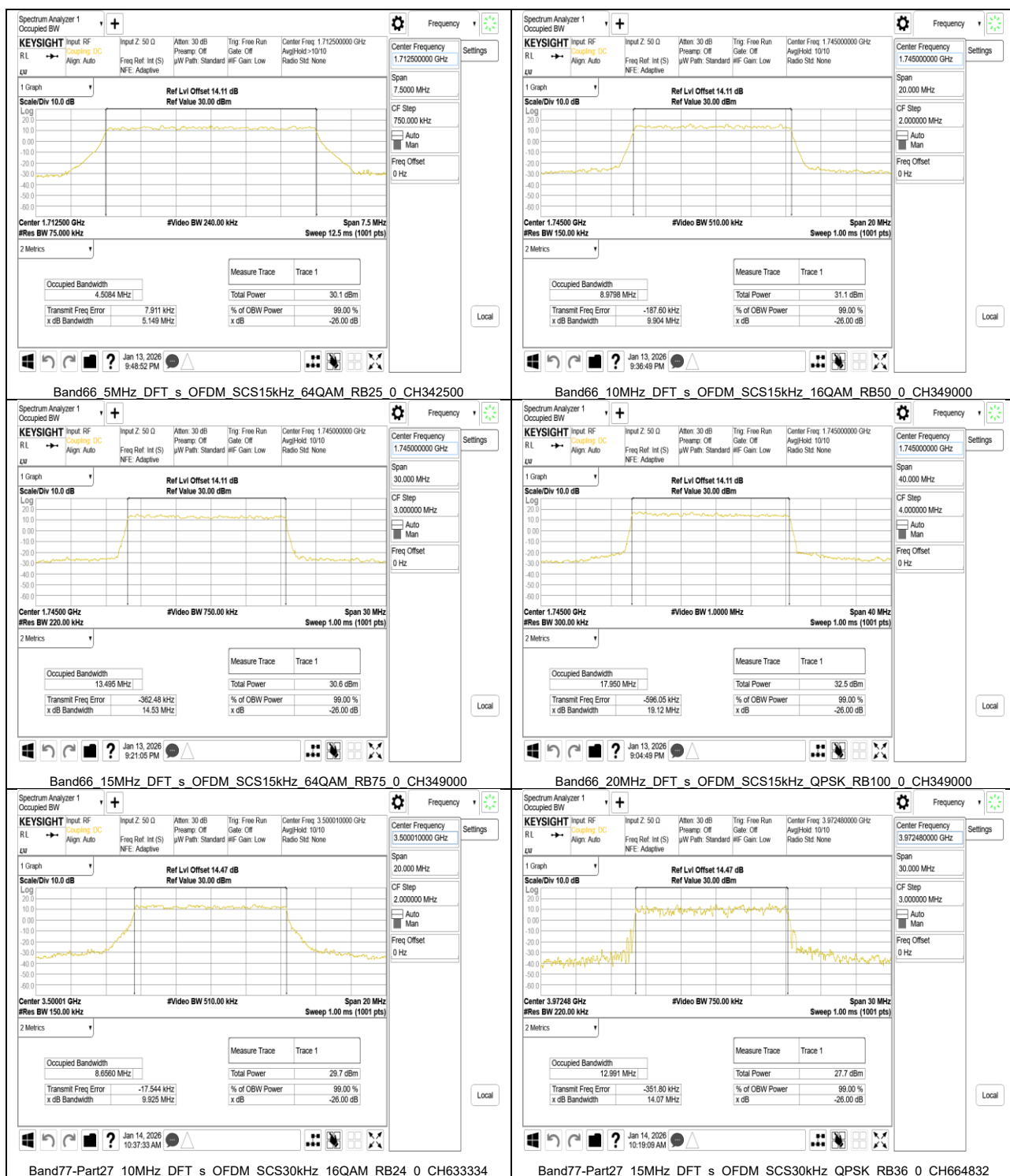
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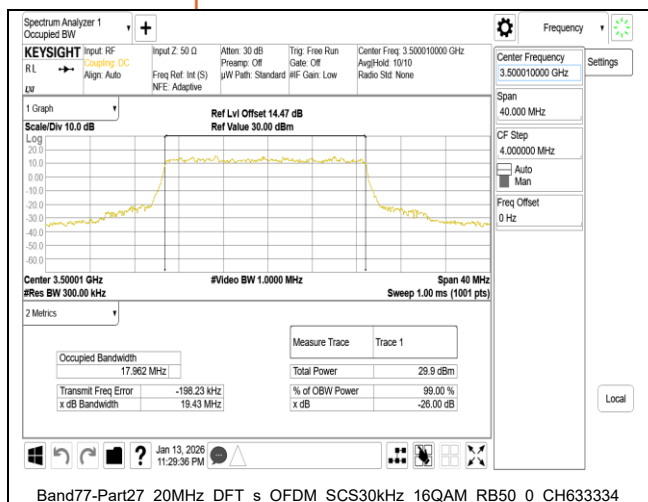
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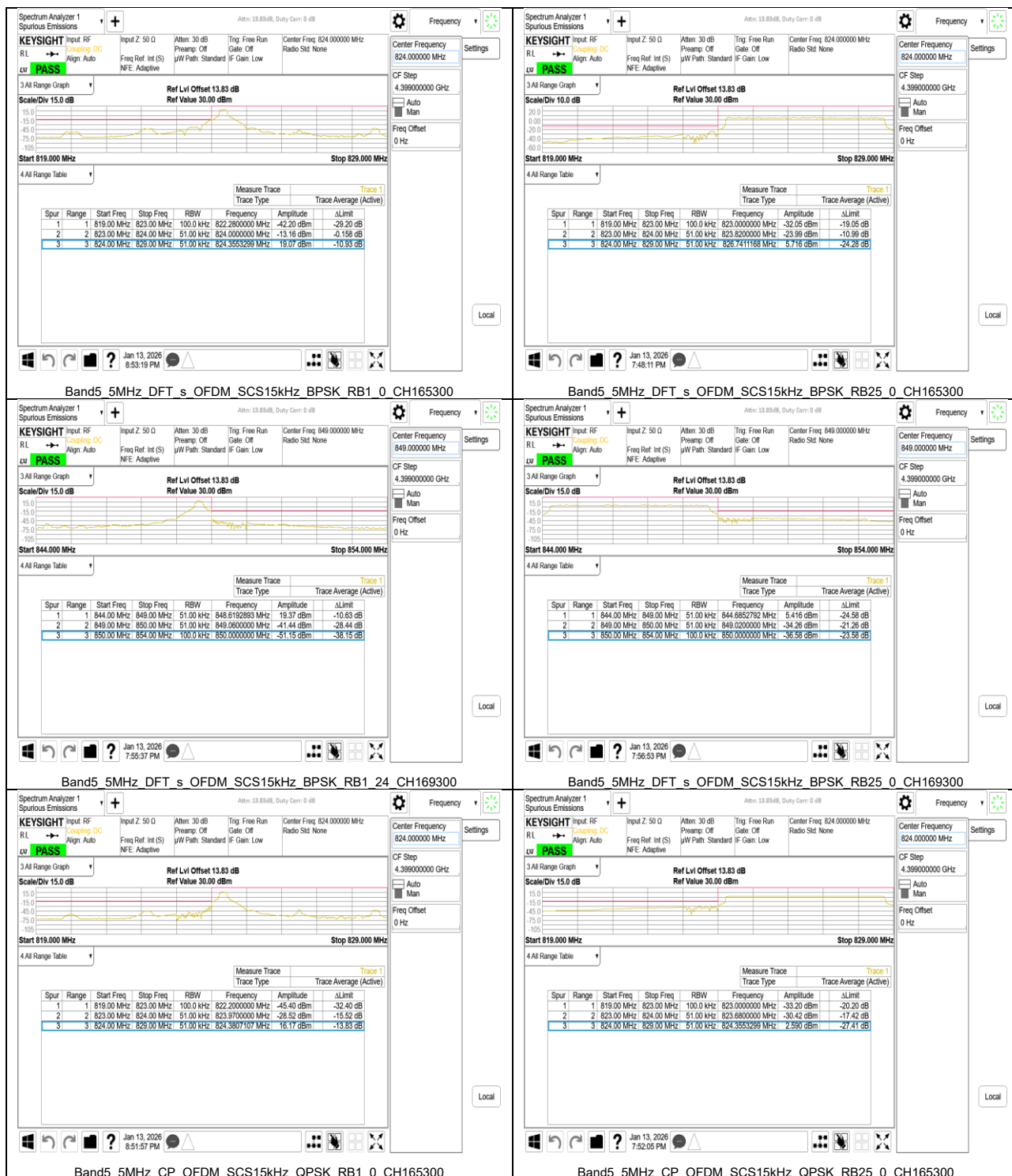


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7.3 Out Of Band Emission At Antenna Terminals

Part22



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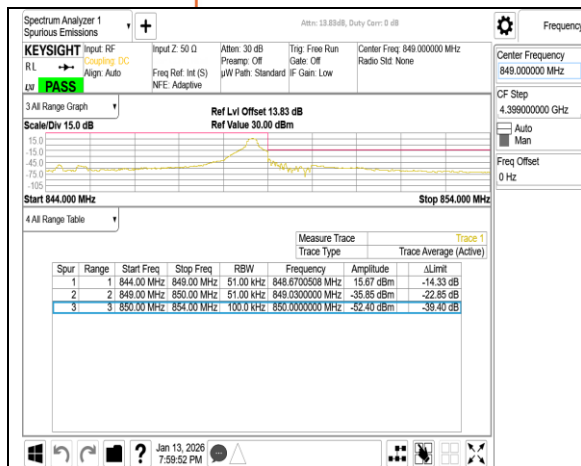
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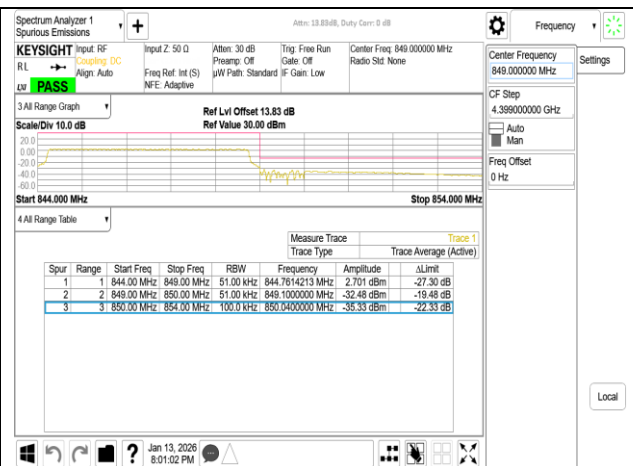
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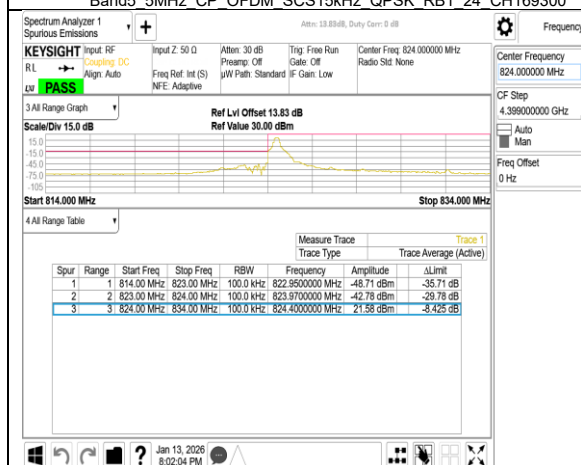
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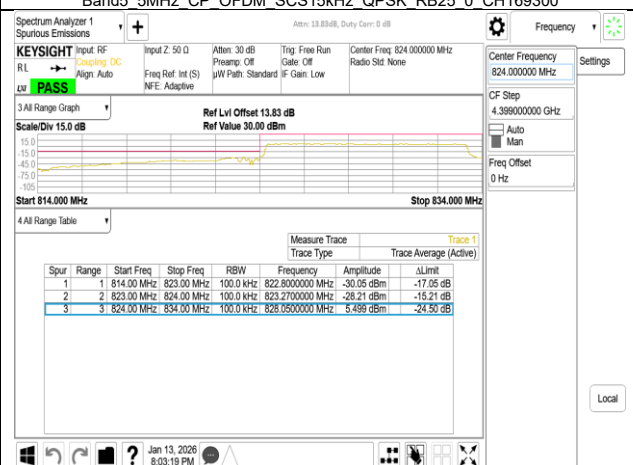
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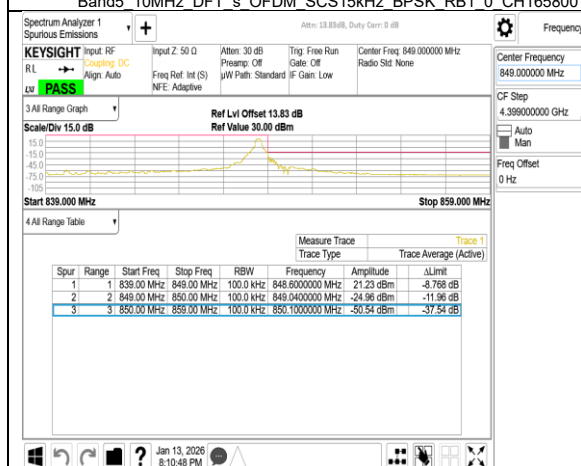
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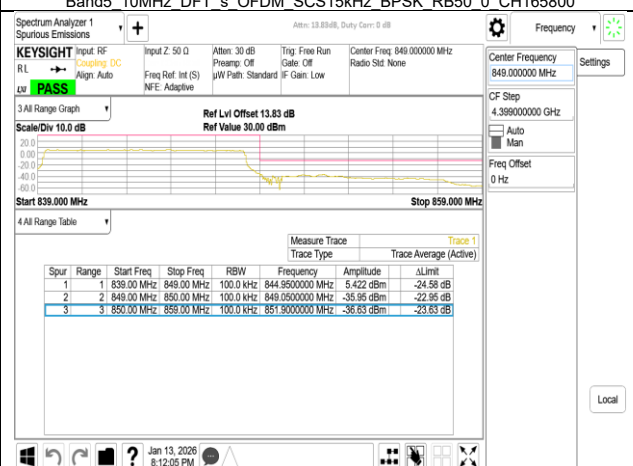
Band5 10MHz DFT s OFDM SCS15kHz BPSK RB1 0 CH165800



Band5 10MHz DFT s OFDM SCS15kHz BPSK RB25 0 CH165800



Band5 10MHz DFT s OFDM SCS15kHz BPSK RB1 51 CH168800

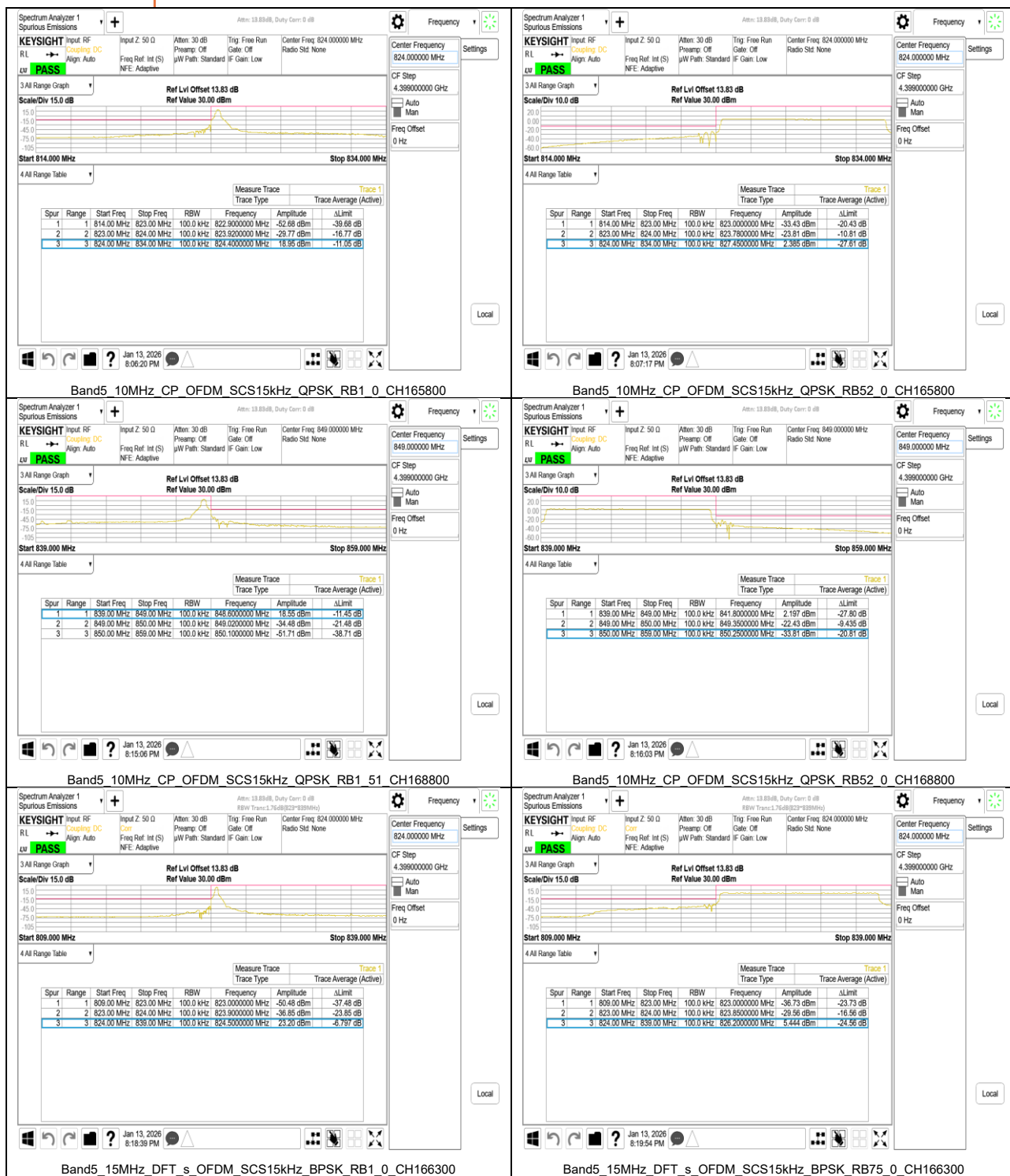


Band5 10MHz DFT s OFDM SCS15kHz BPSK RB50 0 CH168800

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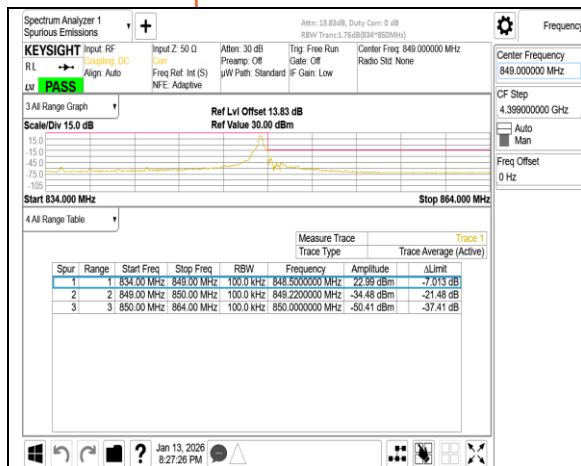
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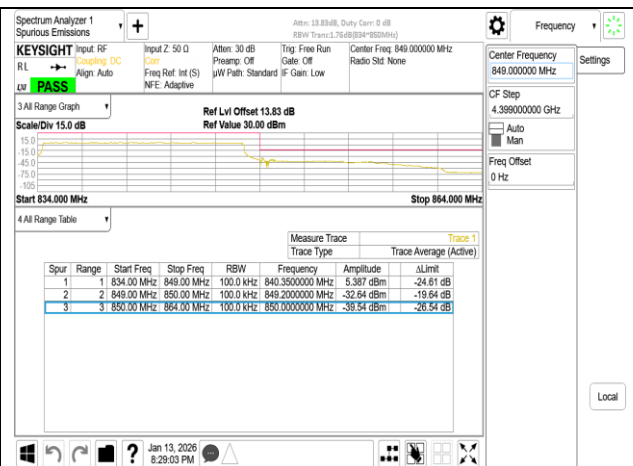
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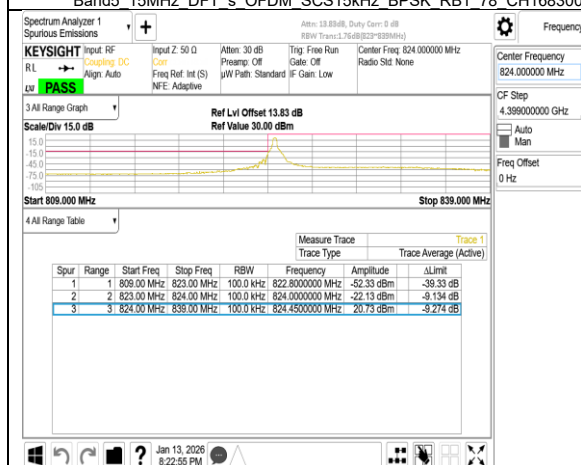
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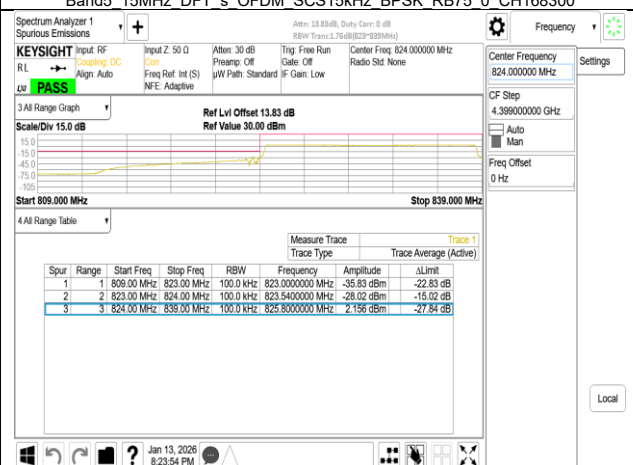
Band5 15MHz DFT s OFDM SCS15kHz BPSK RB1 78 CH168300



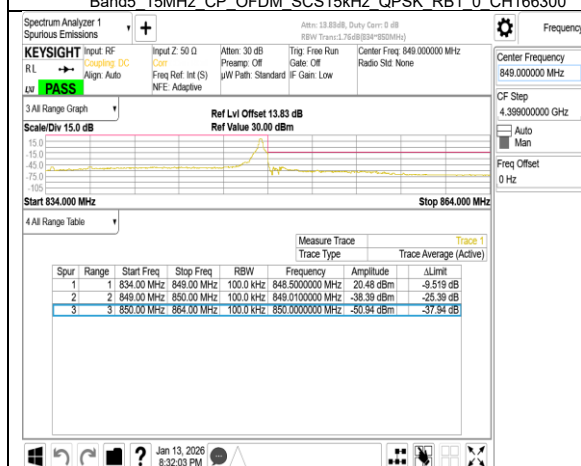
Band5 15MHz DFT s OFDM SCS15kHz BPSK RB75 0 CH168300



Band5 15MHz CP OFDM SCS15kHz QPSK RB1 0 CH166300



Band5 15MHz CP OFDM SCS15kHz QPSK RB79 0 CH166300



Band5 15MHz CP OFDM SCS15kHz QPSK RB1 78 CH168300



Band5 15MHz CP OFDM SCS15kHz QPSK RB79 0 CH168300

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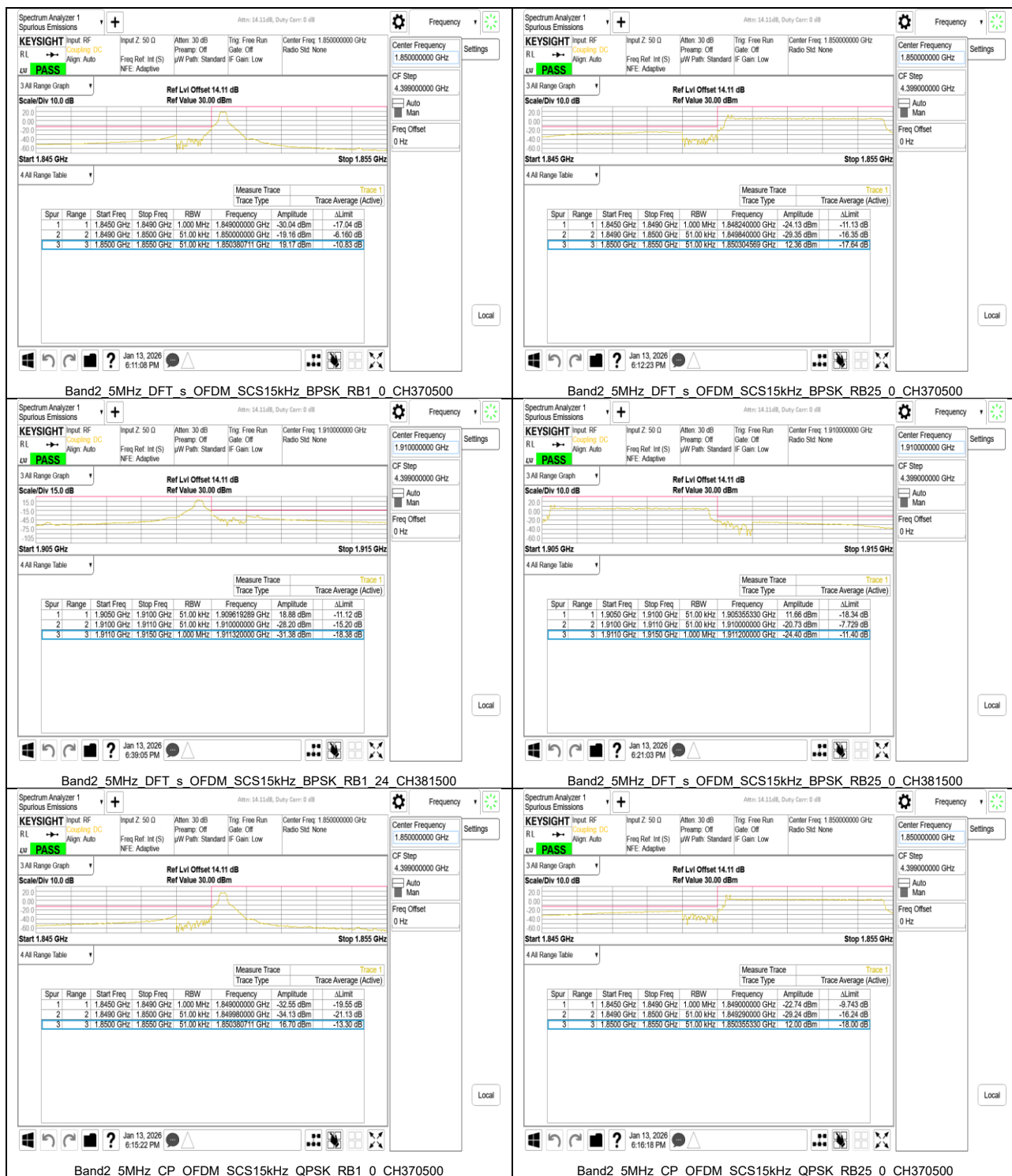
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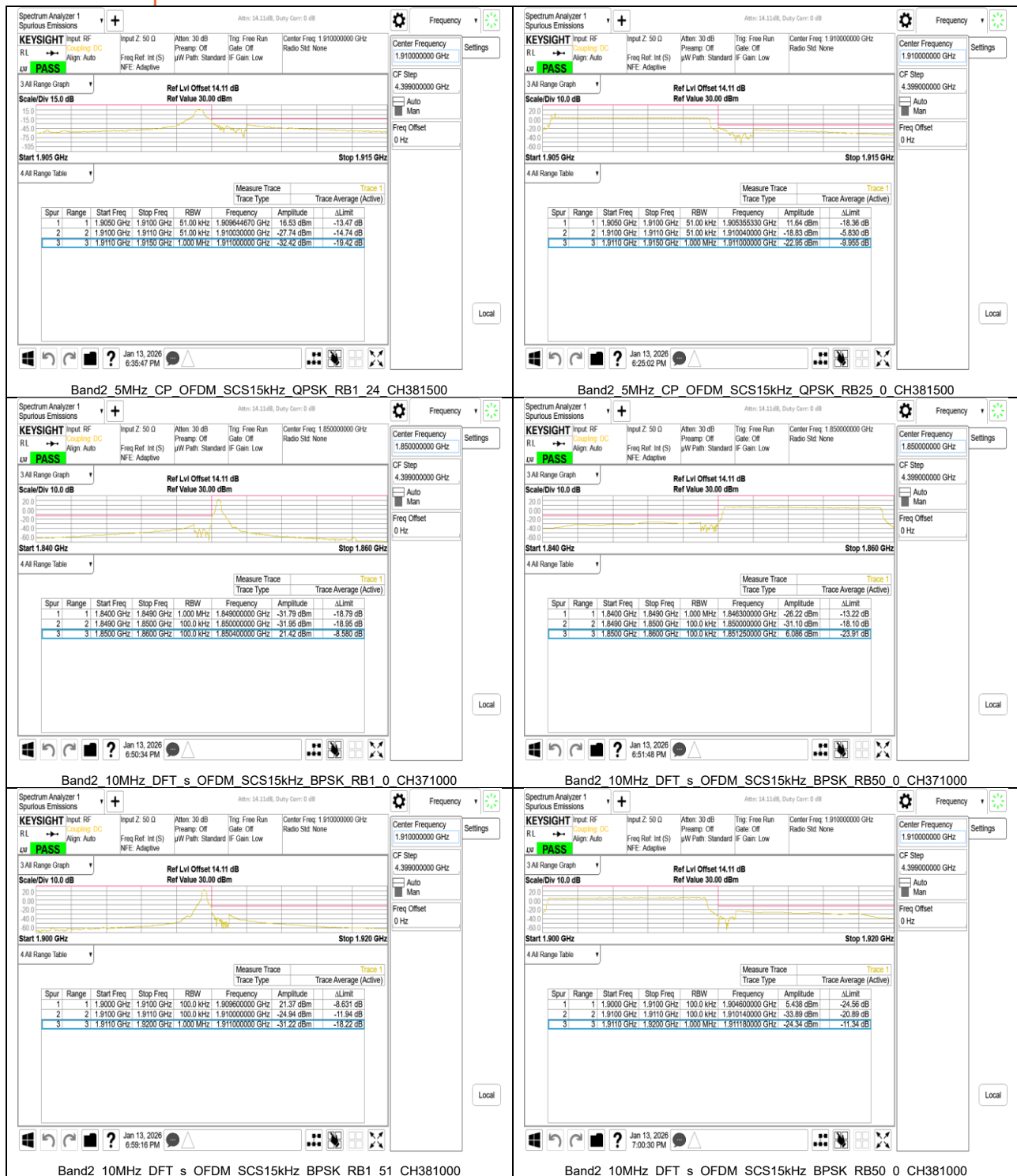
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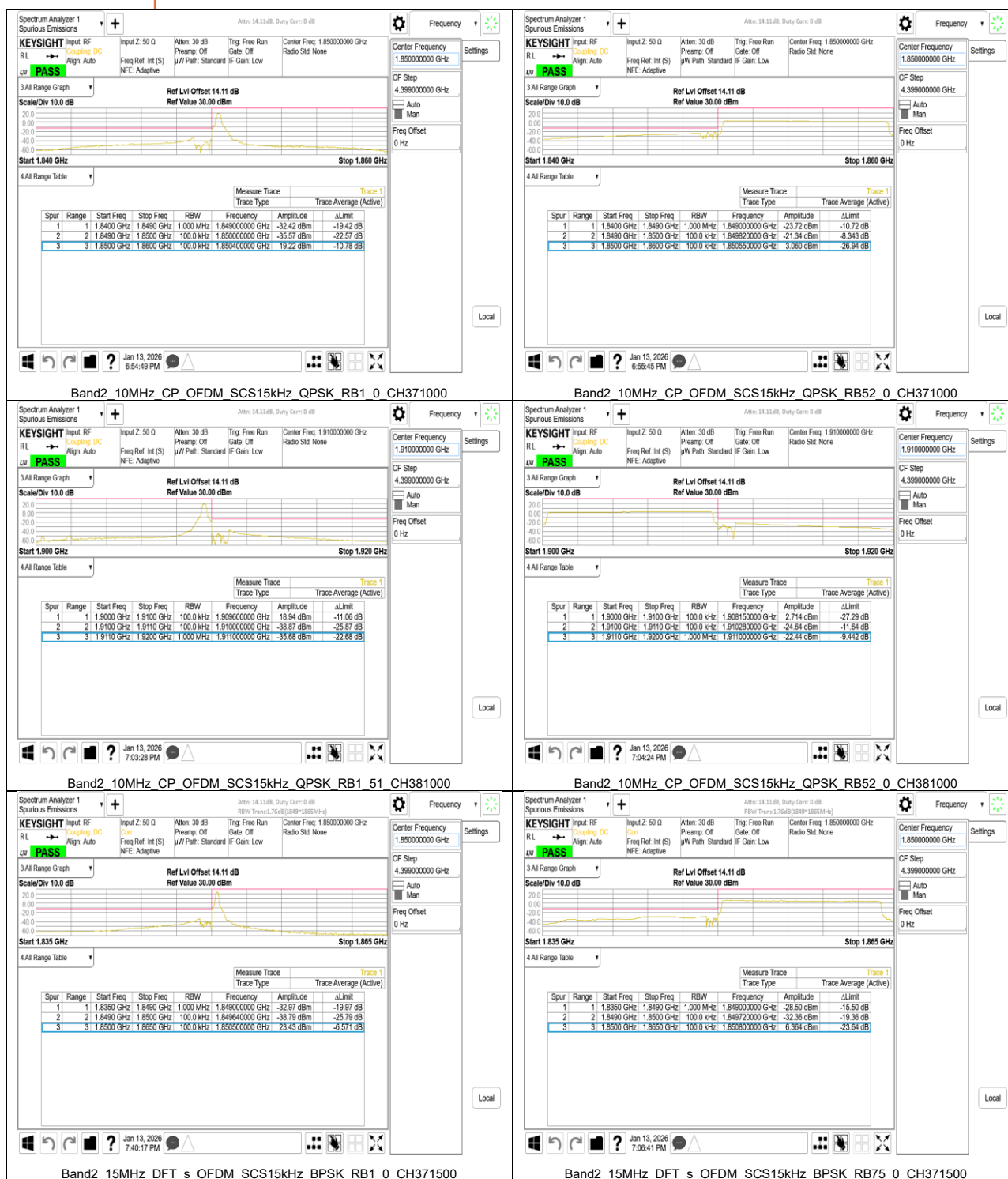
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